

FRED F. HOUSE ACADEMY

2008 REMODEL

14117 SOUTH MINUTEMAN DRIVE
DRAPER, UTAH 84020

MAY 12, 2008
CONSTRUCTION DOCUMENTS



STATE OF UTAH

DEPARTMENT OF ADMINISTRATIVE SERVICES
DIVISION OF FACILITIES CONSTRUCTION AND MANAGEMENT

4110 State Office Building / Salt Lake City, Utah 84114 / 801.538.3018 / www.dfc.state.ut.us

DFCM PROJECT NO. 08013100

ARCHITECT



**SCOTT P. EVANS - ARCHITECT
& ASSOCIATES P.C.**

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ELECTRICAL ENGINEER



SPECTRUM ENGINEERS

175 SOUTH MAIN STREET / SALT LAKE CITY, UTAH 84111
801.328.5151 / www.spdesign.com

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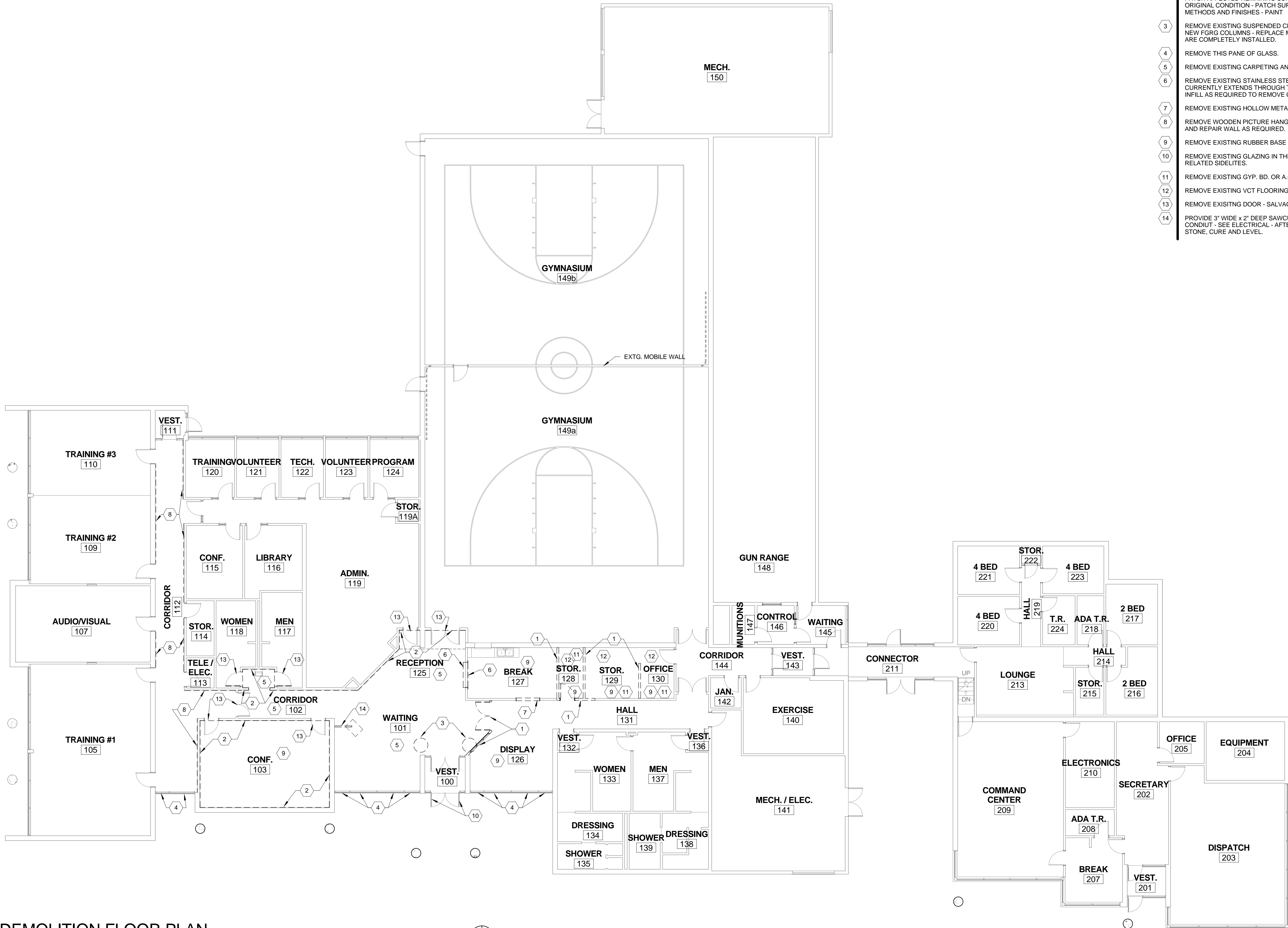
C

B

A

A1 DEMOLITION FLOOR PLAN

1" = 10'-0"



KEYED NOTES

- 1 REMOVE EXISTING WALLS AND DOORS - PATCH AFFECTED REMAINING SURFACES TO ORIGINAL OR BETTER CONDITION - PATCH SURFACES WITH MATCHING MATERIALS, METHODS AND FINISHES.
- 2 REMOVE VINYL WALL COVERING AND GLUE USING ACCEPTED METHODS - PATCH AFFECTED REMAINING SURFACES TO ORIGINAL OR BETTER THAN ORIGINAL CONDITION - PATCH SURFACES WITH MATCHING MATERIALS, METHODS AND FINISHES - PAINT
- 3 REMOVE EXISTING SUSPENDED CEILING AS NECESSARY TO INSTALL NEW FGRC COLUMNS - REPLACE METAL CEILING GRID WHEN COLUMNS ARE COMPLETELY INSTALLED.
- 4 REMOVE THIS PANE OF GLASS.
- 5 REMOVE EXISTING CARPETING AND RUBBER BASE IN THIS AREA.
- 6 REMOVE EXISTING STAINLESS STEEL COUNTER, DOOR AND FRAME THAT CURRENTLY EXTENDS THROUGH THE WALL - REMOVE EXISTING WALL INFILL AS REQUIRED TO REMOVE COUNTER/FRAME.
- 7 REMOVE EXISTING HOLLOW METAL FRAME FROM THIS OPENING.
- 8 REMOVE WOODEN PICTURE HANGING STRIPS FROM THIS WALL - PATCH AND REPAIR WALL AS REQUIRED.
- 9 REMOVE EXISTING RUBBER BASE IN THIS AREA.
- 10 REMOVE EXISTING GLAZING IN THESE EXTERIOR DOORS AND THEIR RELATED SIDELITES.
- 11 REMOVE EXISTING GYP. BD. OR A.C. PANEL CEILING FROM THIS SPACE.
- 12 REMOVE EXISTING VCT FLOORING FROM THIS SPACE.
- 13 REMOVE EXISTING DOOR - SALVAGE ALL HARDWARE.
- 14 PROVIDE 3" WIDE x 2" DEEP SAWCUT CONDUIT TRENCH TO RECEIVE (2) 3/4" CONDUIT - SEE ELECTRICAL - AFTER CONDUIT IS PLACED FILL WITH FLOOR STONE, CURE AND LEVEL.



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PROFESSIONAL STAMP:

CONSULTANTS:



PROJECT NAME:

**FRED F. HOUSE ACADEMY
2008 REMODEL**

14117 SOUTH MINUTEMAN DRIVE
DRAPER, UTAH 84020

REVISIONS:

NO.	DATE	DESCRIPTION
01	05/13/08	CONSTRUCTION DOCUMENTS

OWNER PROJECT #: 08013100
SPE PROJECT #: 08-05
DRAWN BY: GTE
CHECKED BY: JLH
DESIGNED BY: JLH

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SHEET TITLE:

**DEMOLITION
PLAN**

SHEET NUMBER:

AD-101

Last Printed: 5/13/2008 9:00:13 AM

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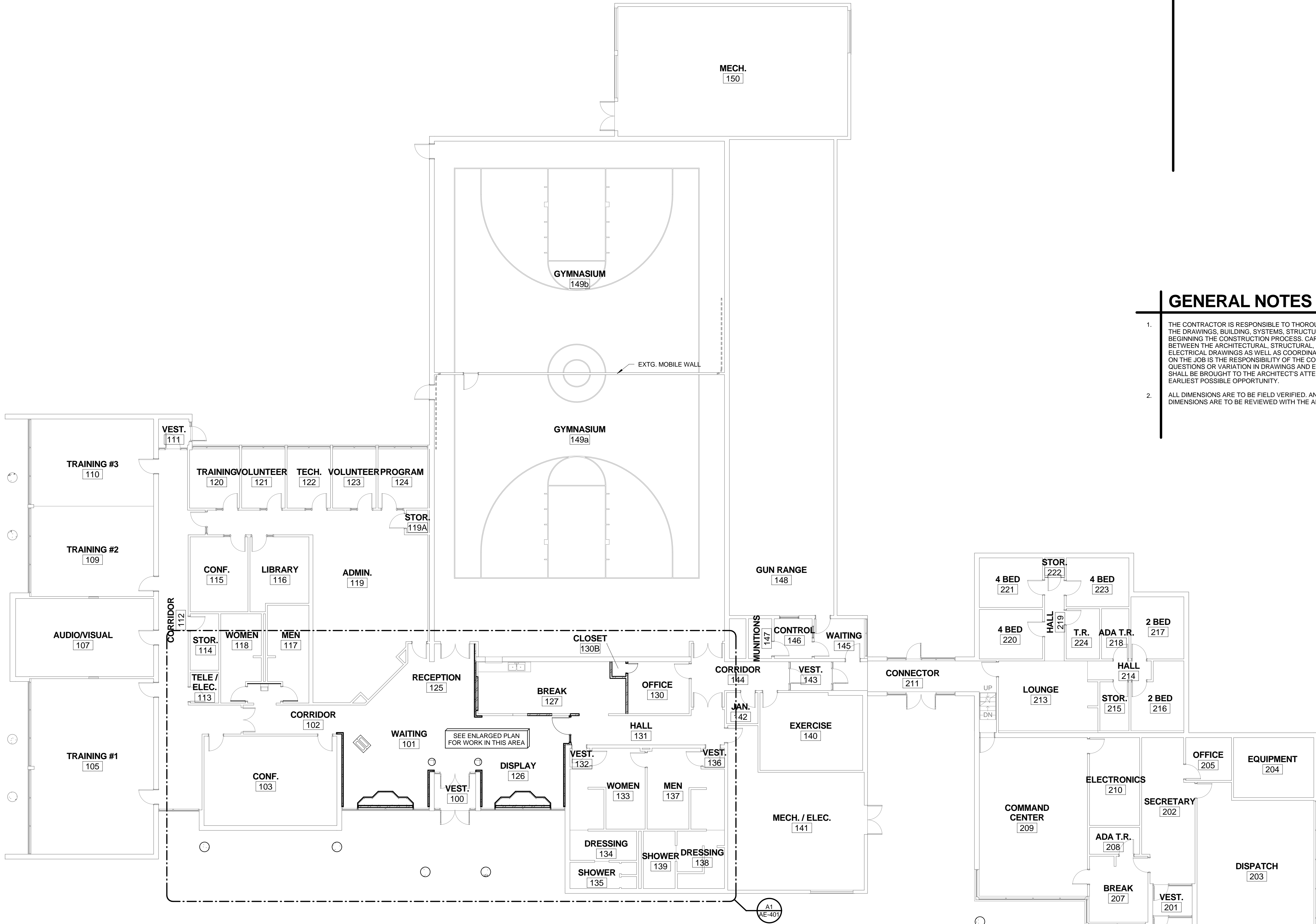
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A

A1 FLOOR PLAN

1" = 10'-0"



KEYED NOTES

- 1 NEW EIFS FINISH ON EXISTING CONCRETE COLUMN - SEE SPEC.

GENERAL NOTES

1. THE CONTRACTOR IS RESPONSIBLE TO THOROUGHLY UNDERSTAND THE DRAWINGS, BUILDING, SYSTEMS, STRUCTURE, ETC. PRIOR TO BEGINNING THE CONSTRUCTION PROCESS. CAREFUL COORDINATION BETWEEN THE ARCHITECTURAL, STRUCTURAL, MECHANICAL AND ELECTRICAL DRAWINGS AS WELL AS COORDINATION OF TRADESMEN ON THE JOB IS THE RESPONSIBILITY OF THE CONTRACTOR. ANY QUESTIONS OR VARIATION IN DRAWINGS AND EXISTING CONDITIONS SHALL BE BROUGHT TO THE ARCHITECT'S ATTENTION AT THE EARLIEST POSSIBLE OPPORTUNITY.
2. ALL DIMENSIONS ARE TO BE FIELD VERIFIED. ANY VARIATIONS IN DIMENSIONS ARE TO BE REVIEWED WITH THE ARCHITECT

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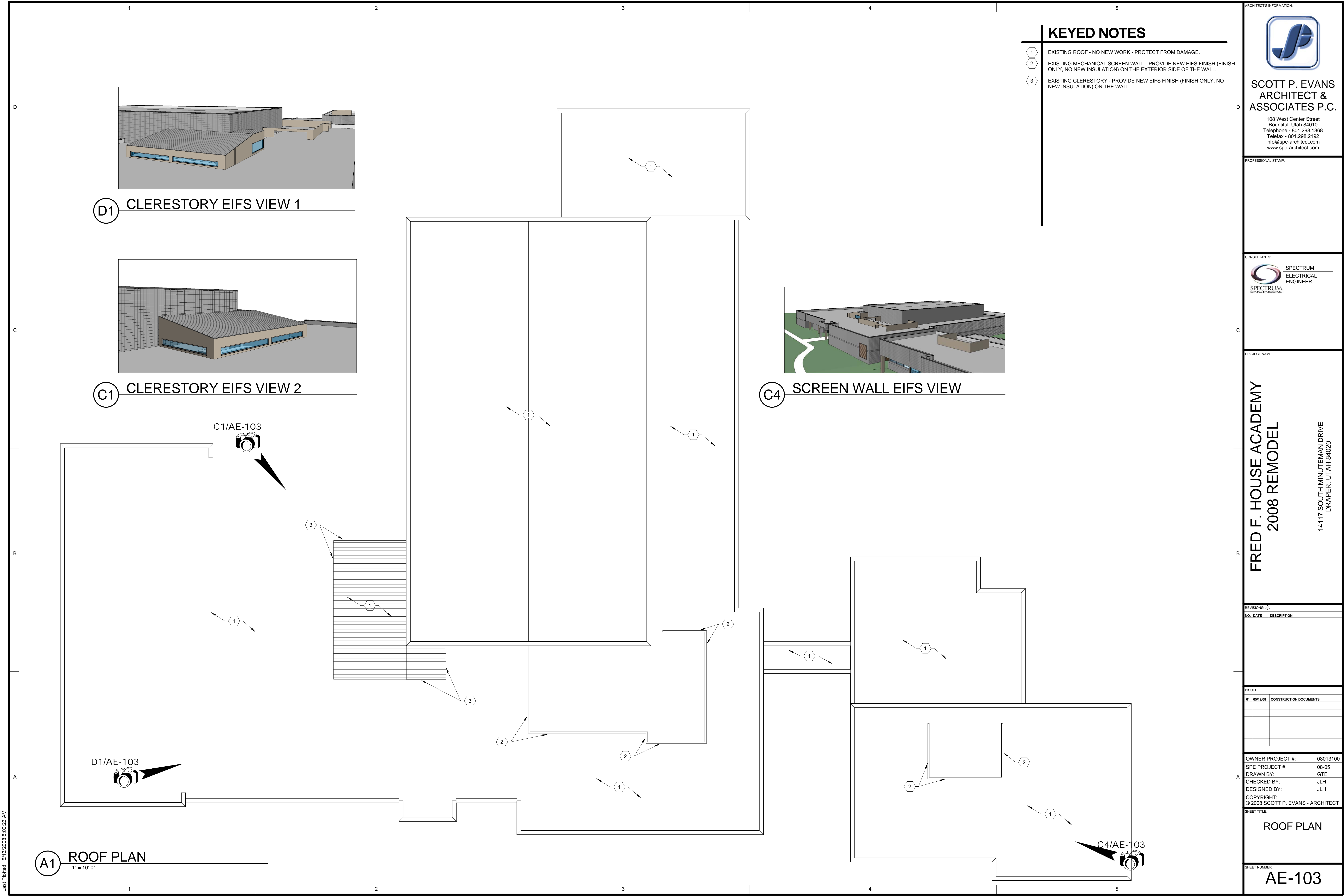
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SHEET TITLE:

FLOOR PLAN

SHEET NUMBER:

AE-101




KEYED NOTES

1 EXISTING ROOF - NO NEW WORK - PROTECT FROM DAMAGE.

2 EXISTING MECHANICAL SCREEN WALL - PROVIDE NEW EIFS FINISH (FINISH ONLY, NO NEW INSULATION) ON THE EXTERIOR SIDE OF THE WALL.

3 EXISTING CLERESTORY - PROVIDE NEW EIFS FINISH (FINISH ONLY, NO NEW INSULATION) ON THE WALL.

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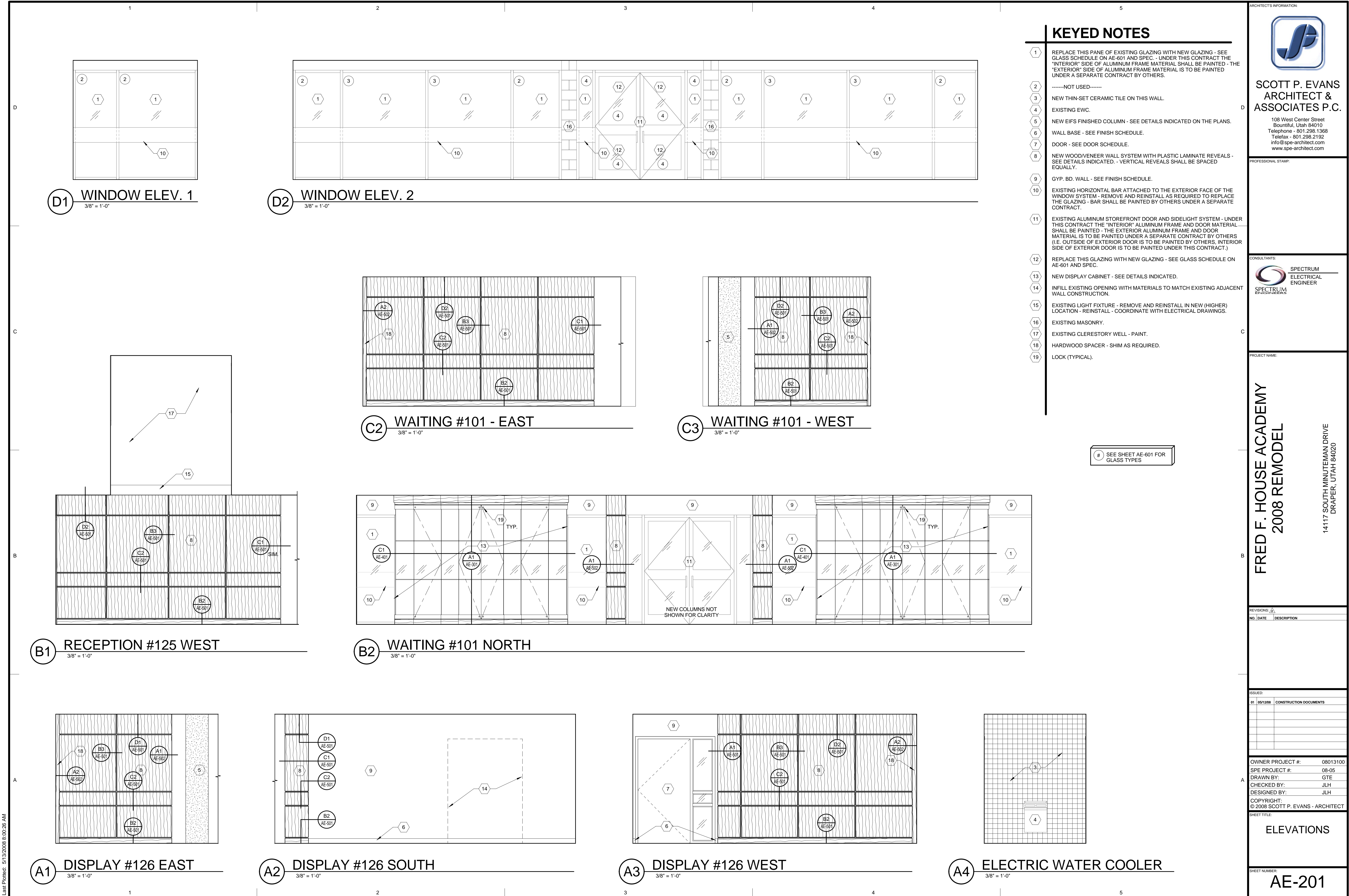
SHEET TITLE:

ROOF PLAN

SHEET NUMBER:

AE-103

Last Plotted: 5/13/2008 9:02:26 AM



KEYED NOTES

- 1 REPLACE THIS PANE OF EXISTING GLAZING WITH NEW GLAZING - SEE GLASS SCHEDULE ON AE-601 AND SPEC. - UNDER THIS CONTRACT THE "INTERIOR" SIDE OF ALUMINUM FRAME MATERIAL SHALL BE PAINTED - THE "EXTERIOR" SIDE OF ALUMINUM FRAME MATERIAL IS TO BE PAINTED UNDER A SEPARATE CONTRACT BY OTHERS.
- 2 ----- NOT USED -----
- 3 NEW THIN-SET CERAMIC TILE ON THIS WALL.
- 4 EXISTING EWC.
- 5 NEW EIFS FINISHED COLUMN - SEE DETAILS INDICATED ON THE PLANS.
- 6 WALL BASE - SEE FINISH SCHEDULE.
- 7 DOOR - SEE DOOR SCHEDULE.
- 8 NEW WOOD/VENEER WALL SYSTEM WITH PLASTIC LAMINATE REVEALS - SEE DETAILS INDICATED. - VERTICAL REVEALS SHALL BE SPACED EQUALLY.
- 9 GYP. BD. WALL - SEE FINISH SCHEDULE.
- 10 EXISTING HORIZONTAL BAR ATTACHED TO THE EXTERIOR FACE OF THE WINDOW SYSTEM - REMOVE AND REINSTALL AS REQUIRED TO REPLACE THE GLAZING - BAR SHALL BE PAINTED BY OTHERS UNDER A SEPARATE CONTRACT.
- 11 EXISTING ALUMINUM STOREFRONT DOOR AND SIDELIGHT SYSTEM - UNDER THIS CONTRACT THE "INTERIOR" ALUMINUM FRAME AND DOOR MATERIAL SHALL BE PAINTED - THE EXTERIOR ALUMINUM FRAME AND DOOR MATERIAL IS TO BE PAINTED UNDER A SEPARATE CONTRACT BY OTHERS (I.E. OUTSIDE OF EXTERIOR DOOR IS TO BE PAINTED BY OTHERS, INTERIOR SIDE OF EXTERIOR DOOR IS TO BE PAINTED UNDER THIS CONTRACT.)
- 12 REPLACE THIS GLAZING WITH NEW GLAZING - SEE GLASS SCHEDULE ON AE-601 AND SPEC.
- 13 NEW DISPLAY CABINET - SEE DETAILS INDICATED.
- 14 INFILL EXISTING OPENING WITH MATERIALS TO MATCH EXISTING ADJACENT WALL CONSTRUCTION.
- 15 EXISTING LIGHT FIXTURE - REMOVE AND REINSTALL IN NEW (HIGHER) LOCATION - REINSTALL - COORDINATE WITH ELECTRICAL DRAWINGS.
- 16 EXISTING MASONRY.
- 17 EXISTING CLERESTORY WELL - PAINT.
- 18 HARDWOOD SPACER - SHIM AS REQUIRED.
- 19 LOCK (TYPICAL).

SEE SHEET AE-601 FOR GLASS TYPES

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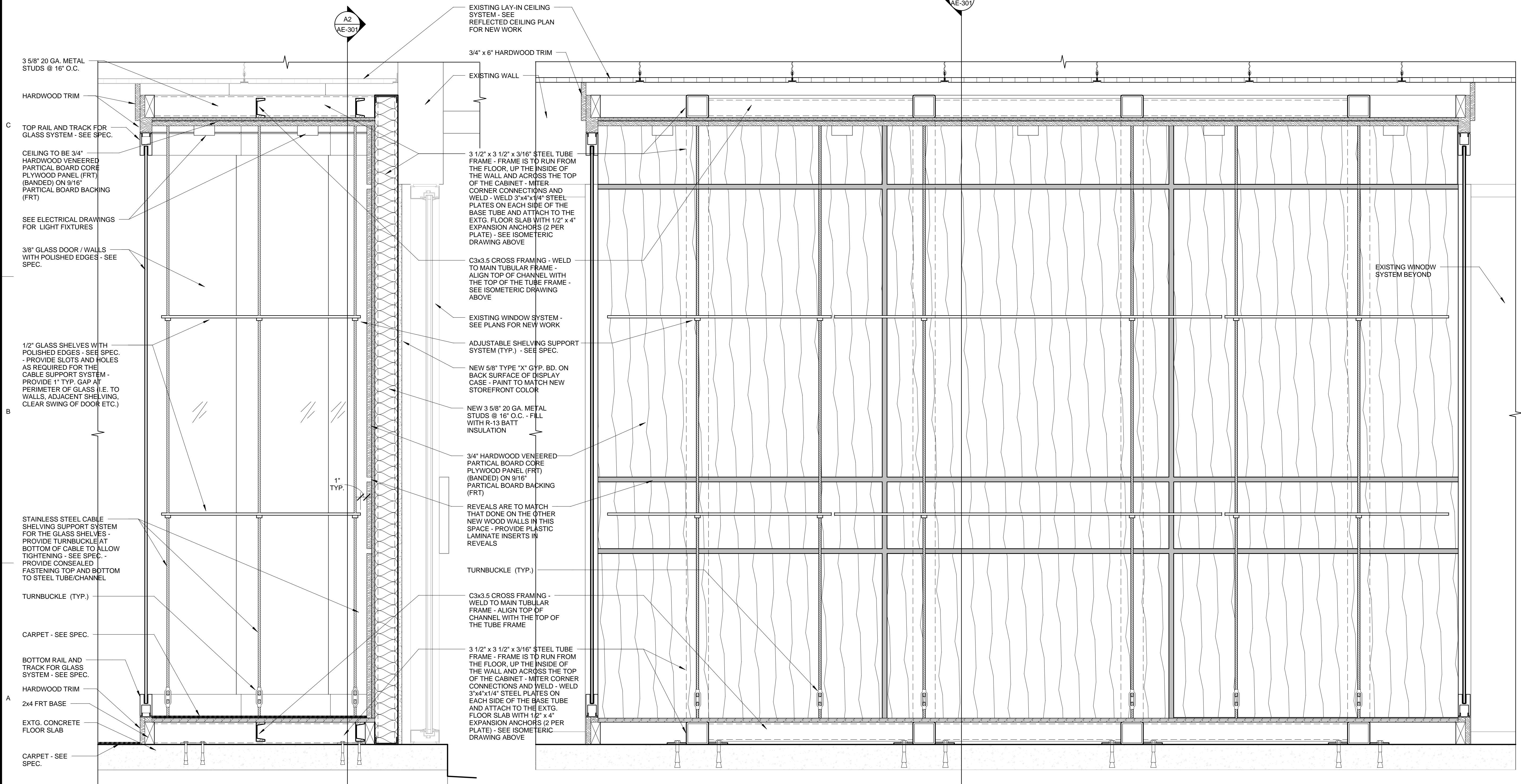
ELEVATIONS

SHEET NUMBER:

AE-201



D3 DISPLAY CABINET STEEL FRAME
(SHOWN FOR GENERAL CONCEPT ONLY)



A1 DISPLAY CASE SECTION
1 1/2" = 1'-0"

A2 DISPLAY CASE SECTION
1 1/2" = 1'-0"



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SECTIONS

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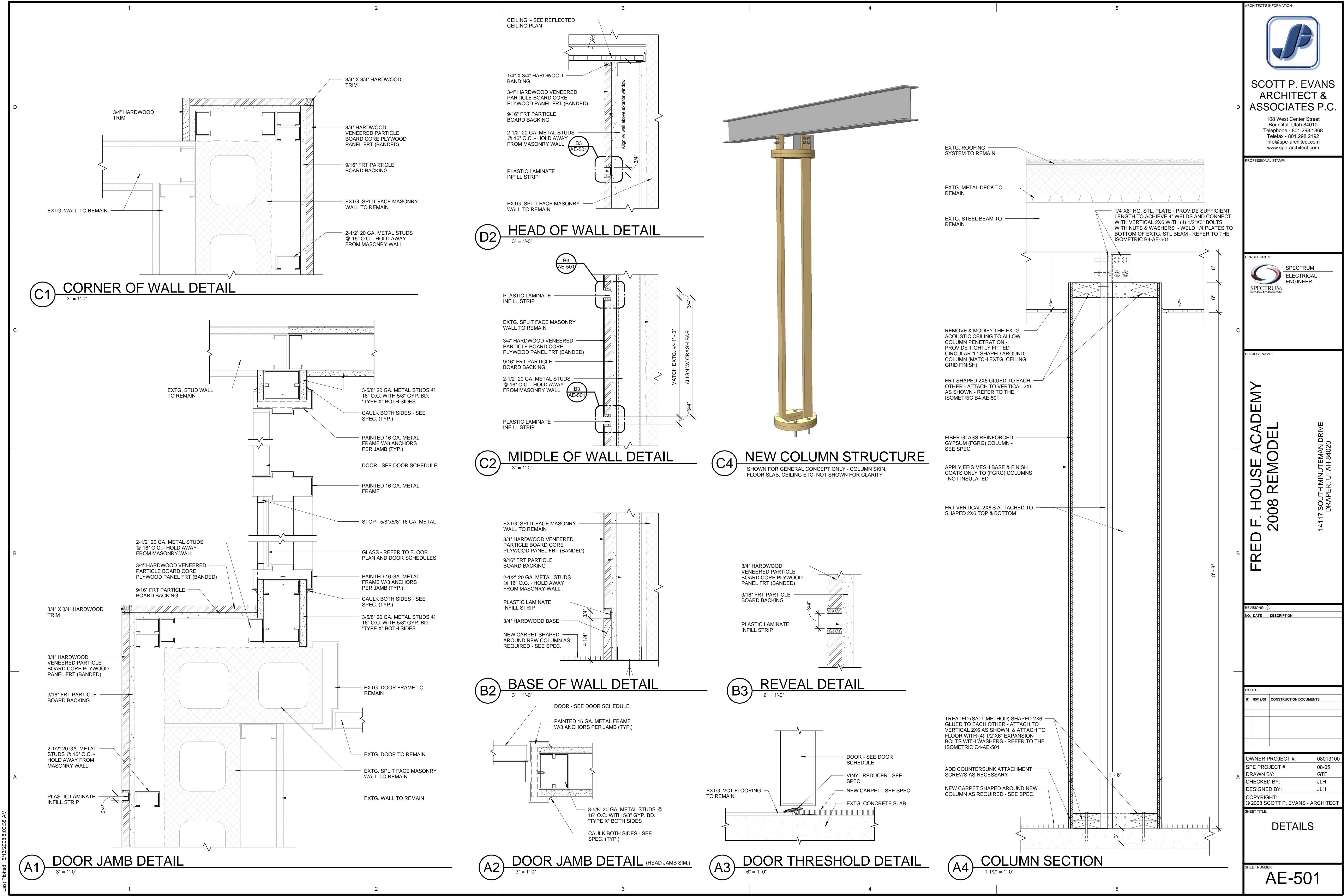
AE-301




1	NEW EIFS FINISHED COLUMN SYSTEM - SEE DETAILS INDICATED.
2	NEW WOOD VENEER WALL SYSTEM.
3	INFILL EXISTING OPENING IN WALL - MATCH ADJACENT MATERIALS/SPINSH.
4	NEW OPENING IN WALL.
5	NEW WALL, DOOR AND SIDELITE - SEE DOOR SCHEDULE.
6	NEW DISPLAY CASE WITH LIGHTING AND OUTLETS - COORD. W/ ELECTRICAL.
7	NEW CERAMIC TILE ON WALL.
8	NEW VIEWING PODIUM WITH DUAL TOUCH SCREEN MONITORS.
9	EXISTING REFRIGERATOR - COORDINATE WITH ELECTRICAL DRAWINGS.
10	EXISTING VENDING MACHINES - COORDINATE WITH ELECTRICAL DRAWINGS.
11	BASE CABINETS, AND COUNTERTOP WITH SINK - BY OWNER.
12	NEW EIFS FINISH ON EXISTING CONCRETE COLUMN - SEE SPEC.
13	-----NOT USED-----
14	PROVIDE NEW GLAZING IN THIS PANE - COORDINATE WITH ELEVATIONS AND SPEC.
15	PAINT INTERIOR SURFACES OF DOORS AND FRAMES (EXTERIOR PAINTING IS BY OTHERS).
16	EXISTING COILING COUNTER DOOR - PAINT BREAK ROOM SIDE.
17	EXTEND EXISTING WALL TO STRUCTURE ABOVE TO PROVIDE A COMPLETE 1-HR. RATED WALL.
18	EXTEND NEW WALL ABOVE DOOR TO STRUCTURE TO PROVIDE A COMPLETE 1-HR RATED WALL.
19	PAINT DOORS & FRAMES (BOTH SIDES OF THIS INSIDE VESTIBULE ONLY).
20	PROVIDE NEW 3" WIDE X 2" DEEP SAWCUT CONDUIT TRENCH TO RECEIVE (2) 3/4" CONDUIT (SEE ELECTRICAL) - AFTER CONDUIT IS PLACED, FILL WITH FLOOR STONE, CURE AND LEVEL.
21	ICE MAKER BY OWNER (NO WORK).
22	MICROWAVE BY OWNER - SEE ELECTRICAL DRAWINGS.



NUMBER:
AE-401






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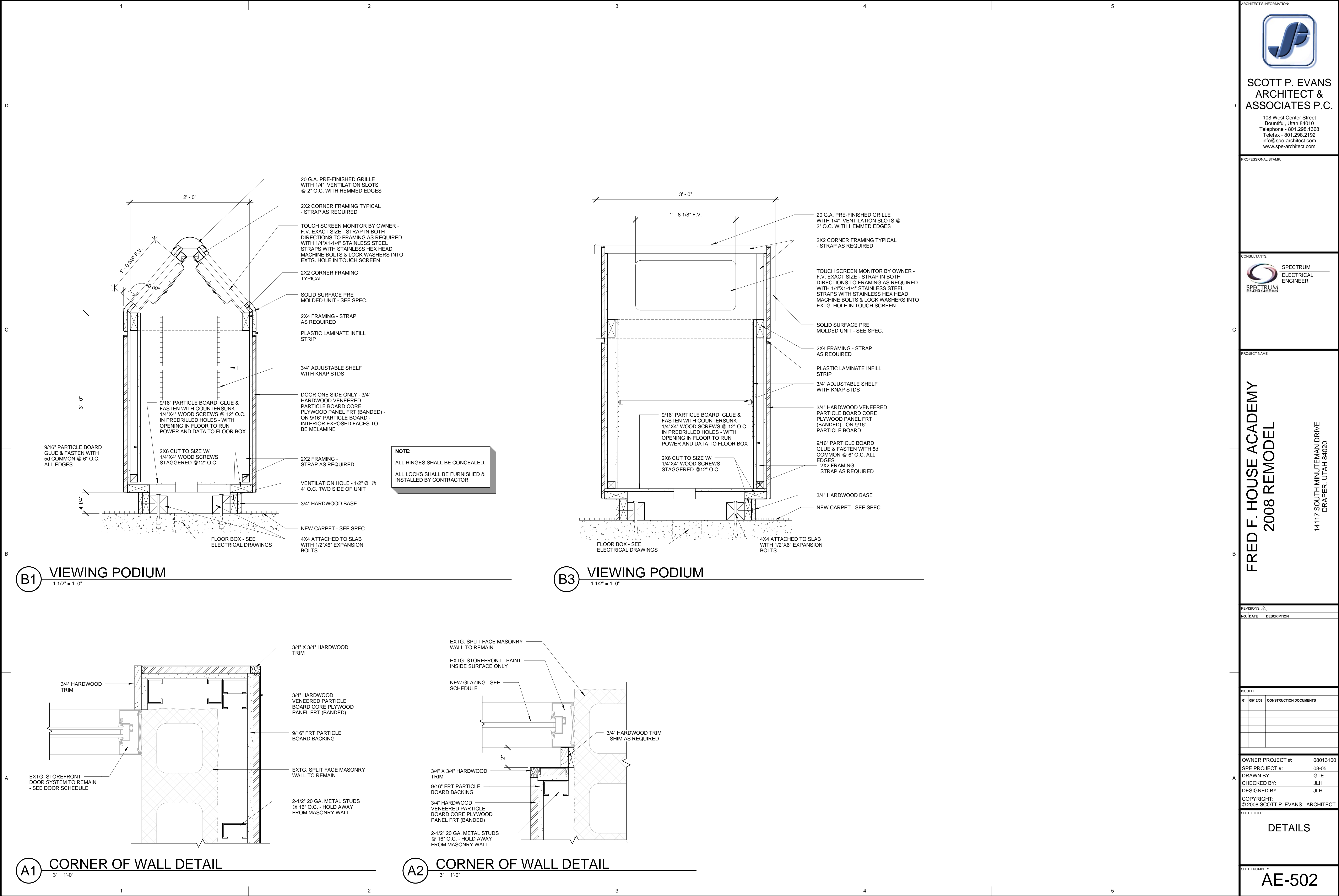
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DETAILS

SHEET NUMBER:

AE-501

Last Printed: 5/13/2008 9:00:38 AM



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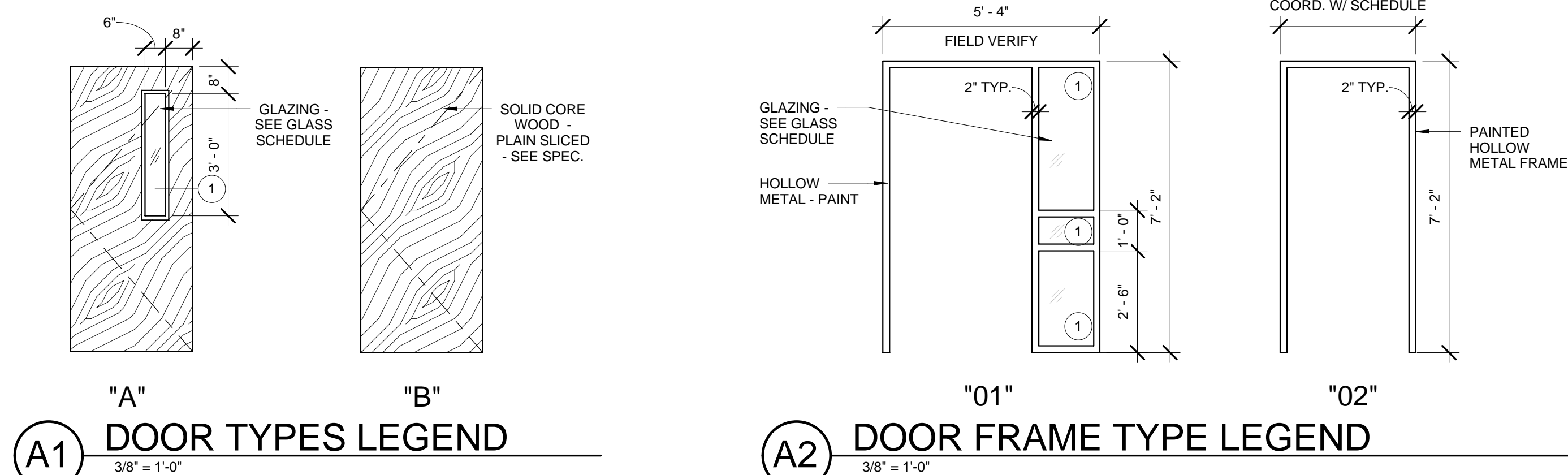
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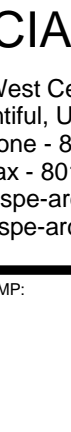

FRED F. HOUSE ACADEMY
2008 REMODEL
14117 SOUTH MINUTEMAN DRIVE
DRAPER, UTAH 84020

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DOOR SCHEDULE																		(FIELD VERIFY ALL DIMENSIONS)			
DOOR #	DOOR		DOOR				FIRE RATING	HARDWARE	FRAME			FRAME (L) JAMB DETAIL	FRAME (R) JAMB DETAIL	FRAME HEAD DETAIL	THRESHOLD DETAIL	SIGNAGE TYPE	SIGNAGE TEXT	COMMENTS			
	WIDTH (FIELD VERIFY ALL DIMS)	HEIGHT (FIELD VERIFY ALL DIMS)	Door Type	THICKNESS	MATERIAL	FINISH			TYPE	MATERIAL	FINISH										
101			EXISTING DOOR			PAINT DOOR		EXISTING FRAME										REPLACE GLAZING IN DOORS / SIDELITES - PAINT INTERIOR ONLY			
102			EXISTING DOOR			PAINT DOOR		EXISTING FRAME													
103	3'-6"	7'-0"	"A"	1 3/4"	SOLID CORE	TRANSPARENT	20 MIN.	??	"01"	HOLLOW METAL	PAINT	A1/AE-501	A1/AE-501	A1/AE-501 SIM.	A3/AE-501			* SALVAGE AND REUSE ALL EXISTING HARDWARE FROM EXTG. DOORS * SALVAGE AND REUSE ALL EXISTING HARDWARE FROM EXTG. DOORS * SALVAGE AND REUSE ALL EXISTING HARDWARE FROM EXTG. DOORS * SALVAGE AND REUSE ALL EXISTING HARDWARE FROM EXTG. DOORS * SALVAGE AND REUSE ALL EXISTING HARDWARE FROM EXTG. DOORS * SALVAGE AND REUSE ALL EXISTING HARDWARE FROM EXTG. DOORS * SALVAGE AND REUSE ALL EXISTING HARDWARE FROM EXTG. DOORS * SALVAGE AND REUSE ALL EXISTING HARDWARE FROM EXTG. DOORS * SALVAGE AND REUSE ALL EXISTING HARDWARE FROM EXTG. DOORS			
104	2'-0"	7'-0"	"B"	1 3/4"	SOLID CORE	TRANSPARENT	NONE	??	"02"	HOLLOW METAL	PAINT	A2/AE-501	A2/AE-501	A2/AE-501 SIM.	NONE						
105	PR, 3'-0"	7'-0"	"B"	1 3/4"	SOLID CORE	TRANSPARENT	90 MIN.	*	---	EXISTING FRAME	--- PAINT	---	---	EXISTING FRAME	---						
106	3'-0"	7'-0"	"B"	1 3/4"	SOLID CORE	TRANSPARENT	90 MIN.	*	---	EXISTING FRAME	--- PAINT	---	---	EXISTING FRAME	---						
107	3'-0"	7'-0"	"B"	1 3/4"	SOLID CORE	TRANSPARENT	20 MIN.	*	---	EXISTING FRAME	--- PAINT	---	---	EXISTING FRAME	---						
108	PR, 2'-8"	7'-0"	"A"	1 3/4"	SOLID CORE	TRANSPARENT	NONE	*	---	EXISTING FRAME	--- PAINT	---	---	EXISTING FRAME	---						
109	3'-0"	7'-0"	"B"	1 3/4"	SOLID CORE	TRANSPARENT	20 MIN.	*	---	EXISTING FRAME	--- PAINT	---	---	EXISTING FRAME	---						
110	3'-0"	7'-0"	"B"	1 3/4"	SOLID CORE	TRANSPARENT	20 MIN.	*	---	EXISTING FRAME	--- PAINT	---	---	EXISTING FRAME	---						
111	3'-0"	7'-0"	"B"	1 3/4"	SOLID CORE	TRANSPARENT	20 MIN.	*	---	EXISTING FRAME	--- PAINT	---	---	EXISTING FRAME	---						



#	GLASS SCHEDULE
TYPE 1:	1/4" CLEAR, 20 MIN. FIRE AND IMPACT RESISTANT
TYPE 2:	1" INSULATED UNIT, EXTERIOR LITE 1/4" SOLARCOOL™ BRONZE FLOAT GLASS, 1/2" AIR SPACE - INTERIOR LITE 1/4" CLEAR FLOAT TEMPERED GLASS. LOW E COATING ON #3 SURFACE
TYPE 3:	1" INSULATED UNIT, EXTERIOR LITE 1/4" SOLARCOOL™ BRONZE FLOAT GLASS, 1/2" AIR SPACE - INTERIOR LITE 1/4" CLEAR FLOAT GLASS. LOW E COATING ON #3 SURFACE
TYPE 4:	1" INSULATED UNIT, EXTERIOR LITE 1/4" SOLARCOOL™ TEMPERED BRONZE FLOAT GLASS, 1/2" AIR SPACE - INTERIOR LITE 1/4" CLEAR FLOAT TEMPERED GLASS. LOW E COATING ON #3 SURFACE

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 SPECTRUM ELECTRICAL ENGINEER	SPECTRUM ELECTRICAL ENGINEER	
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<div style="display: inline-block; transform: rotate(-90deg); transform-origin: left top; white-space: nowrap;">FRED F. HOUSE ACADemy 2008 REMODEL</div> <div style="display: inline-block; transform: rotate(90deg); transform-origin: right top; white-space: nowrap;">14117 SOUTH MINUTEMAN DRIVE DRAPER, UTAH 84020</div>		
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<small>SHEET TITLE:</small>		
DOOR & WINDOW SCHEDULES		
<small>SHEET NUMBER:</small>		
AE-601		

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D

ROOM FINISH SCHEDULE																
ROOM #	ROOM NAME	FLOOR FINISH	BASE	BASE FINISH	NORTH WALL MATERIAL	NORTH WALL FINISH	EAST WALL MATERIAL	EAST WALL FINISH	SOUTH WALL MATERIAL	SOUTH WALL FINISH	WEST WALL MATERIAL	WEST WALL FINISH	CEILING MATERIAL	CEILING FINISH	CEILING HEIGHT	COMMENTS
100	VEST.	EXTG.														
101	WAITING	CARPET	4" RUBBER & WOOD	NONE	NEW GLAZING / EXTG. GYP. BD.	PAINT FRAME AND GYP. BD.	NEW WOOD VENEER	TRANSPAREN T	OPEN TO #125	NONE	NEW WOOD VENEER	TRANSPARENT	EXTG. METAL CLG. *NEW & EXTG. SUSP. GRID AND AC TILE	NONE	8' - 8"	*SEE REFLECTED CEILING PLAN FOR NEW CEILING WORK - PATCH/MODIFY AS REQUIRED
102	CORRIDOR	CARPET	4" RUBBER & WOOD	NONE	NEW WOOD VENEER & EXTG. GYP. BD.	TRANSPAREN T (WOOD) PAINT (GYP. BD.)	EXTG. GYP. BD.	PAINT	GYP. BD. & CERAMIC TILE (@ EWC ALCOVE)	PAINT	OPEN TO #101	NONE	*	NONE	8' - 8"	*SEE REFLECTED CEILING PLAN FOR NEW CEILING WORK
103	CONF.	EXTG.	4" RUBBER	NONE	EXTG. GYP. BD.	PAINT	EXTG. GYP. BD.	PAINT	EXTG. GYP. BD.	PAINT	EXTG. GYP. BD.	PAINT	*	NONE		*SEE REFLECTED CEILING PLAN FOR NEW CEILING WORK
105	TRAINING #1	EXTG.	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	*	NONE		*SEE REFLECTED CEILING PLAN FOR NEW CEILING WORK
107	AUDIO/VISUAL	EXTG.	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	*	NONE		*SEE REFLECTED CEILING PLAN FOR NEW CEILING WORK
109	TRAINING #2	EXTG.	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	*NEW CEILING TILE	NONE		*SEE REFLECTED CEILING PLAN FOR NEW CEILING WORK
110	TRAINING #3	EXTG.	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	*NEW CEILING TILE	NONE		*SEE REFLECTED CEILING PLAN FOR NEW CEILING WORK
111	VEST.	EXTG.	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	*	NONE		*SEE REFLECTED CEILING PLAN FOR NEW CEILING WORK
112	CORRIDOR	EXTG.	EXTG.	NONE	EXTG. GYP. BD. - PATCH	PAINT	EXTG. GYP. BD. - PATCH	PAINT	EXTG. GYP. BD. - PATCH	PAINT	EXTG. GYP. BD. - PATCH	PAINT	*	NONE		*SEE REFLECTED CEILING PLAN FOR NEW CEILING WORK
113	TELE / ELEC.	EXTG.	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	*	NONE		*SEE REFLECTED CEILING PLAN FOR NEW CEILING WORK
114	STOR.	EXTG.	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	*	NONE		*SEE REFLECTED CEILING PLAN FOR NEW CEILING WORK
115	CONF.	EXTG.	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	*	NONE		*SEE REFLECTED CEILING PLAN FOR NEW CEILING WORK
116	LIBRARY	EXTG.	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	*	NONE		*SEE REFLECTED CEILING PLAN FOR NEW CEILING WORK
117	MEN	EXTG.	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	*	NONE		*SEE REFLECTED CEILING PLAN FOR NEW CEILING WORK
118	WOMEN	EXTG.	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	*	NONE		*SEE REFLECTED CEILING PLAN FOR NEW CEILING WORK
119	ADMIN.	EXTG.	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	*	NONE		*SEE REFLECTED CEILING PLAN FOR NEW CEILING WORK
119A	STOR.	EXTG.	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	*	NONE		*SEE REFLECTED CEILING PLAN FOR NEW CEILING WORK
120	TRAINING	EXTG.	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	*	NONE		*SEE REFLECTED CEILING PLAN FOR NEW CEILING WORK
121	VOLUNTEER	EXTG.	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	*	NONE		*SEE REFLECTED CEILING PLAN FOR NEW CEILING WORK
122	TECH.	EXTG.	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	*	NONE		*SEE REFLECTED CEILING PLAN FOR NEW CEILING WORK
123	VOLUNTEER	EXTG.	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	*	NONE		*SEE REFLECTED CEILING PLAN FOR NEW CEILING WORK
124	PROGRAM	EXTG.	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	*	NONE		*SEE REFLECTED CEILING PLAN FOR NEW CEILING WORK
125	RECEPTION	CARPET	4" RUBBER & WOOD	NONE	OPEN TO #101	NONE	EXTG. GYP. BD.	PAINT	EXTG. GYP. BD.	PAINT	NEW WOOD VENEER / EXTG. GYP. BD.	TRANSPARENT (WOOD) PAINT (GYP. BD.)	*	NONE	17' - 6"	*SEE REFLECTED CEILING PLAN FOR NEW CEILING WORK
126	DISPLAY	CARPET	4" RUBBER & WOOD	NONE	EXTG. GLAZING / EXTG. GYP. BD.	PAINT FRAME AND GYP. BD.	NEW WOOD VENEER	TRANSPAREN T	NEW WOOD VENEER & EXTG. GYP. BD.	TRANSPARENT (WOOD) PAINT (GYP. BD.)	NEW WOOD VENEER / EXTG. GYP. BD.	TRANSPARENT (WOOD) PAINT (GYP. BD.)	*NEW & EXTG. SUSP. GRID AND AC TILE	NONE	8' - 8"	*SEE REFLECTED CEILING PLAN FOR NEW CEILING WORK - PATCH/MODIFY AS REQUIRED
127	BREAK	NEW AND EXISTING	4" RUBBER	NONE	NEW / EXTG. GYP. BD.	PAINT	NEW / EXTG. GYP. BD.	PAINT	EXTG. CMU	PAINT	NEW GYP. BD.	PAINT	*NEW & EXTG. SUSP. GRID AND AC TILE	NONE	8' - 0"	*SEE REFLECTED CEILING PLAN FOR NEW CEILING WORK - PATCH/MODIFY AS REQUIRED
130	OFFICE	VCT	4" RUBBER	NONE	EXTG. GYP. BD.	PAINT	NEW GYP. BD.	PAINT	EXTG. CMU	PAINT	EXTG. GYP. BD.	PAINT	*NEW SUSP. GRID AND AC TILE	NONE	8' - 0"	*SEE REFLECTED CEILING PLAN FOR NEW CEILING WORK
130B	CLOSET	VCT	4" RUBBER	NONE	EXTG. CMU	PAINT	NEW GYP. BD.	PAINT	NEW GYP. BD.	PAINT	NEW GYP. BD.	PAINT	*NEW SUSP. GRID AND AC TILE	NONE	8' - 0"	*SEE REFLECTED CEILING PLAN FOR NEW CEILING WORK
131	HALL	EXTG VCT	4" RUBBER	NONE	EXTG. GYP. BD.	PAINT	NEW GYP. BD.	PAINT	NEW / EXTG. GYP. BD.	PAINT	EXTG. GYP. BD.	PAINT	*	NONE		*SEE REFLECTED CEILING PLAN FOR NEW CEILING WORK
132	VEST.	EXTG.	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	*	NONE		*SEE REFLECTED CEILING PLAN FOR NEW CEILING WORK
133	WOMEN	EXTG.	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	*	NONE		*SEE REFLECTED CEILING PLAN FOR NEW CEILING WORK
134	DRESSING	EXTG.	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	*	NONE		*SEE REFLECTED CEILING PLAN FOR NEW CEILING WORK
135	SHOWER	EXTG.	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	*	NONE		*SEE REFLECTED CEILING PLAN FOR NEW CEILING WORK
136	VEST.	EXTG.	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	*	NONE		*SEE REFLECTED CEILING PLAN FOR NEW CEILING WORK
137	MEN	EXTG.	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	*	NONE		*SEE REFLECTED CEILING PLAN FOR NEW CEILING WORK
138	DRESSING	EXTG.	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	*	NONE		*SEE REFLECTED CEILING PLAN FOR NEW CEILING WORK
139	SHOWER	EXTG.	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	*	NONE		*SEE REFLECTED CEILING PLAN FOR NEW CEILING WORK
140	EXERCISE	EXTG.	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	*	NONE		*SEE REFLECTED CEILING PLAN FOR NEW CEILING WORK
141	MECH. / ELEC.	EXTG.	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	*	NONE		*SEE REFLECTED CEILING PLAN FOR NEW CEILING WORK
142	JAN.	EXTG.	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	*	NONE		*SEE REFLECTED CEILING PLAN FOR NEW CEILING WORK
143	VEST.	EXTG.	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	*	NONE		*SEE REFLECTED CEILING PLAN FOR NEW CEILING WORK
144	CORRIDOR	EXTG.	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	*	NONE		*SEE REFLECTED CEILING PLAN FOR NEW CEILING WORK
145	WAITING	EXTG.	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	*	NONE		*SEE REFLECTED CEILING PLAN FOR NEW CEILING WORK
146	CONTROL	EXTG.	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	*	NONE		*SEE REFLECTED CEILING PLAN FOR NEW CEILING WORK
147	MUNITIONS	EXTG.	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	*	NONE		*SEE REFLECTED CEILING PLAN FOR NEW CEILING WORK
148	GUN RANGE	EXTG.	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	*	NONE		*SEE REFLECTED CEILING PLAN FOR NEW CEILING WORK
149a	GYMNASIUM	EXTG.	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	*	NONE		*SEE REFLECTED CEILING PLAN FOR NEW CEILING WORK
149b	GYMNASIUM	EXTG.	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	*	NONE		*SEE REFLECTED CEILING PLAN FOR NEW CEILING WORK
150	MECH.	EXTG.	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	*	NONE		*SEE REFLECTED CEILING PLAN FOR NEW CEILING WORK
201	VEST.	EXTG.	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	*	NONE		*SEE REFLECTED CEILING PLAN FOR NEW CEILING WORK
202	SECRETARY	EXTG.	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	*	NONE		*SEE REFLECTED CEILING PLAN FOR NEW CEILING WORK
203	DISPATCH	EXTG.	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	*	NONE		*SEE REFLECTED CEILING PLAN FOR NEW CEILING WORK
204	EQUIPMENT	EXTG.	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	*	NONE		*SEE REFLECTED CEILING PLAN FOR NEW CEILING WORK
205	OFFICE	EXTG.	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	*	NONE		*SEE REFLECTED CEILING PLAN FOR NEW CEILING WORK
207	BREAK	EXTG.	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	*	NONE		*SEE REFLECTED CEILING PLAN FOR NEW CEILING WORK
208	ADA T.R.	EXTG.	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	*	NONE		*SEE REFLECTED CEILING PLAN FOR NEW CEILING WORK
209	COMMAND CENTER	EXTG.	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	*	NONE		*SEE REFLECTED CEILING PLAN FOR NEW CEILING WORK
210	ELECTRONICS	EXTG.	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	*	NONE		*SEE REFLECTED CEILING PLAN FOR NEW CEILING WORK
211	CONNECTOR	EXTG.	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	*	NONE		*SEE REFLECTED CEILING PLAN FOR NEW CEILING WORK
213	LOUNGE	EXTG.	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	*	NONE		*SEE REFLECTED CEILING PLAN FOR NEW CEILING WORK
214	HALL	EXTG.	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	*	NONE		*SEE REFLECTED CEILING PLAN FOR NEW CEILING WORK
215	STOR.	EXTG.	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	*	NONE		*SEE REFLECTED CEILING PLAN FOR NEW CEILING WORK
216	2 BED	EXTG.	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	*	NONE		*SEE REFLECTED CEILING PLAN FOR NEW CEILING WORK
217	2 BED	EXTG.	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	*	NONE		*SEE REFLECTED CEILING PLAN FOR NEW CEILING WORK
218	ADA T.R.	EXTG.	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	*	NONE		*SEE REFLECTED CEILING PLAN FOR NEW CEILING WORK
219	HALL	EXTG.	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	*	NONE		*SEE REFLECTED CEILING PLAN FOR NEW CEILING WORK
220	4 BED	EXTG.	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	*	NONE		*SEE REFLECTED CEILING PLAN FOR NEW CEILING WORK
221	4 BED	EXTG.	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	*	NONE		*SEE REFLECTED CEILING PLAN FOR NEW CEILING WORK
222	STOR.	EXTG.	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	*	NONE		*SEE REFLECTED CEILING PLAN FOR NEW CEILING WORK
223	4 BED	EXTG.	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	*	NONE		*SEE REFLECTED CEILING PLAN FOR NEW CEILING WORK
224	T.R.	EXTG.	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	EXTG.	NONE	*	NONE		*SEE REFLECTED CEILING PLAN FOR NEW CEILING WORK

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PROJECT NAME:

FRED F. HOUSE ACADEMY
2008 REMODEL

14117 SOUTH MINUTEMAN DRIVE
DRAPER, UTAH 84020

REVISIONS:

NO. DATE DESCRIPTION

ISSUED:

01 05/13/08 CONSTRUCTION DOCUMENTS

OWNER PROJECT #: 08013100

SPE PROJECT #: 08-05

DRAWN BY: GTE

CHECKED BY: JLH

DESIGNED BY: JLH

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SHEET TITLE:

FINISH
SCHEDULE

SHEET NUMBER:

AF-601

File Name: P:\2008\20080233\Drawings\Sheet\33EE--801.dwg Last Plotted: 2008/05/12 @ 1:19 PM By: rrx

SYMBOL LEGEND	
SYMBOL	DESCRIPTION
REFERENCE AND LINE SYMBOLS	
	ROOM OR SPACE NUMBER.
	KEYNOTE INDICATOR.
	REVISION INDICATOR.
	BREAK, STRAIGHT: TO BREAK PARTS OF DRAWING.
	BREAK, ROUND.
	NEW LINE: MEDIUM LINE.
	EXISTING TO REMAIN LINE: THIN LINE.
	DEMOLITION LINE: DASHED, MEDIUM LINE.
WIRING METHODS	
	WIRING.
	BRANCH CIRCUIT HOME RUN TO PANELBOARD: NUMBER OF ARROWS INDICATES NUMBER OF CIRCUITS. LETTER AND NUMBER NOTATIONS IDENTIFY PANEL AND CIRCUIT NUMBERS. USE #12 CONDUCTORS, EXCEPT #10 CONDUCTORS SHALL BE INSTALLED IF DISTANCES EXCEED THOSE SPECIFIED IN SECTION 16120.
	BRANCH CIRCUIT HOME RUN TO PANELBOARD: NUMBER OF ARROWS INDICATES NUMBER OF CIRCUITS. LETTER AND NUMBER NOTATIONS IDENTIFY PANEL AND CIRCUIT NUMBERS. NUMBER IN BOX REFERS TO THE CONDUCTOR AND CONDUIT SCHEDULE. FOR BRANCH WIRING USE #12 CONDUCTORS, EXCEPT #10 CONDUCTORS SHALL BE INSTALLED IF DISTANCES EXCEED THOSE SPECIFIED IN SECTION 16120.
	JUNCTION BOX.
WIRING DEVICES	
	RECEPTACLE, DUPLEX: NEMA 5-20R.
	RECEPTACLE, DUPLEX, ABOVE COUNTER: NEMA 5-20R.
	RECEPTACLE, DUPLEX WITH GROUND FAULT CIRCUIT INTERRUPTER, WET LABEL, "WEATHERPROOF IN USE": NEMA 5-20R.
	RECEPTACLE, DUPLEX WITH GROUND FAULT CIRCUIT INTERRUPTER: NEMA 5-20R.
	RECEPTACLE, DUPLEX WITH GROUND FAULT CIRCUIT INTERRUPTER, WEATHERPROOF: NEMA 5-20R.
	FLUSH FLOOR BOX. "F#" SHOWN ON DRAWINGS. REFER TO WIRING DEVICE SCHEDULE IN SECTION 16140 FOR CONFIGURATION AND DEVICES.
	SWITCH, SINGLE POLE ("X" INDICATES FIXTURES CONTROLLED).
	SWITCH, THREE-WAY ("X" INDICATES FIXTURES CONTROLLED).
LIGHTING (REFER TO FIXTURE SCHEDULE FOR SYMBOLS)	
	FIXTURE IDENTIFICATION: (W-3) INDICATES FIXTURE TYPE AS SCHEDULED.
	FIXTURE IDENTIFICATION, EMERGENCY WITH BATTERY PACK, CONNECTED TO GENERATOR AS INDICATED: (W-3) INDICATES FIXTURE TYPE AS SCHEDULED.
LIGHTING CONTROL	
	OCCUPANCY SENSOR, DUAL TECHNOLOGY, OMNI-DIRECTIONAL, CEILING.
	OCCUPANCY SENSOR, DUAL TECHNOLOGY, WALL.
	OCCUPANCY SENSOR, DUAL TECHNOLOGY, DIRECTIONAL.
ELECTRICAL POWER AND DISTRIBUTION	
	PANELBOARD CABINET, SURFACE MOUNTED, 1 SECTION.
FIRE ALARM	
	STROBE. SUBSCRIPT INDICATES CANDELA RATING.


ABBREVIATIONS			
NOTE: ALL ABBREVIATIONS MAY NOT BE USED.			
1P	SINGLE POLE	KV	KILOVOLT
1PH	SINGLE-PHASE	KVA	KILOVOLT AMPERE
1WAY	ONE-WAY	KVAR	KILOVOLT AMPERE REACTIVE
2/C	TWO-CONDUCTOR	KW	KILOWATT
2WAY	TWO-WAY	kWh	KILOWATT HOUR
3/C	THREE-CONDUCTOR	LED	LIGHT EMITTING DIODE
3PH	THREE-PHASE	LFMC	LIQUID TIGHT FLEXIBLE METAL CONDUIT
3WAY	THREE-WAY	LFNC	LIQUID TIGHT FLEXIBLE NONMETALLIC CONDUIT
4OUT	QUADRUPL RECEPTACLE OUTLET	LPS	LOW PRESSURE SODIUM
4PDT	FOUR-POLE DOUBLE THROW	LRA	LOCKED ROTOR AMPS
4PST	FOUR-POLE SINGLE THROW	LTG	LIGHTING
4W	FOUR-WIRE	LV	LOW VOLTAGE
4WAY	FOUR-WAY	MATV	MASTER ANTENNA TELEVISION SYSTEM
A	ABOVE COUNTER	MAX	MAXIMUM
AC	ARMORED CABLE	MC	METAL CLAD
ADA	AMERICANS WITH DISABILITIES ACT	MCA	MINIMUM CIRCUIT AMPS
ADJ	ADJACENT	MCB	MAIN CIRCUIT BREAKER
AFF	ABOVE FINISHED FLOOR	MCC	MOTOR CONTROL CENTER
AFG	ABOVE FINISHED GRADE	MCP	MOTOR CIRCUIT PROTECTION
AIC	AMPERE INTERRUPTING CAPACITY	MDP	MAIN DISTRIBUTION PANEL
ALUM	ALUMINUM	MG	MOTOR GENERATOR
AMP	AMPERE	MH	MANHOLE
ANN	ANNUNCIATOR	MIN	MINIMUM
AP	ACCESS POINT (WIRELESS DATA)	MLO	MAIN LUGS ONLY
AR	AS REQUIRED	MOCP	MAXIMUM OVERCURRENT PROTECTION
ASC	AMPS SHORT CIRCUIT	NA	NOT APPLICABLE
ATS	AUTOMATIC TRANSFER SWITCH	NC	NORMALLY CLOSED
AV	AUDIO VISUAL	NEC	NATIONAL ELECTRICAL CODE
AWG	AMERICAN WIRE GAGE	NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
BB XFMR	BUCK-BOOST TRANSFORMER	NFC	NATIONAL FIRE CODE
C	CEILING MOUNTED	NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
CATV	COMMUNITY ANTENNA TELEVISION	NIC	NOT IN CONTRACT
CB	CIRCUIT BREAKER	NL	NIGHT LIGHT
CCBA	CUSTOM COLOR AS SELECTED BY ARCHITECT	NO	NORMALLY OPEN
CCTV	CLOSED CIRCUIT TELEVISION	NTS	NOT TO SCALE
CFBA	CUSTOM FINISH AS SELECTED BY ARCHITECT	OC	ON CENTER
CF/Ci	CONTRACTOR FURNISHED/CONTRACTOR INSTALLED	OCP	OVER CURRENT PROTECTION
CF/Oi	CONTRACTOR FURNISHED/OWNER INSTALLED	OF/Ci	OWNER FURNISHED/CONTRACTOR INSTALLED
CF/Oi	CIRCUIT	OF/Oi	OWNER FURNISHED/OWNER INSTALLED
CM	CONSTRUCTION MANAGER	OFF	OBTAIN FROM PLANS
CND	CONDUIT	OH DR	OVERHEAD (COILING) DOOR
CO	CONVENIENCE OUTLET	OL	OVERLOAD
COR	CONTRACTING OFFICER'S REPRESENTATIVE	PB	PUSHBUTTON
CP	CONTROL PANEL	PF	POWER FACTOR
CT	CURRENT TRANSFORMER	PH	PHASE
CTV	CABLE TELEVISION	PNL	PANEL
CU	COPPER	PT	POTENTIAL TRANSFORMER
DA	UNIT OF SOUND LEVEL	PTZ	PAN/TILT/ZOOM
DPDT	DOUBLE POLE DOUBLE THROW	QTY	QUANTITY
DS	DISCONNECT SWITCH	R	REMOVE
EA	EACH	RCP	REFLECTED CEILING PLAN
EM	EMERGENCY	RMC	RIGID METAL CONDUIT
EMT	ELECTRICAL METALLIC TUBING	RNC	RIGID NONMETALLIC CONDUIT
ENT	ELECTRICAL NONMETALLIC TUBING	RPM	REVOLUTIONS PER MINUTE
EPO	EMERGENCY POWER OFF EQUIPMENT	RR	REMOVE AND RELOCATE
EQUIP	EXISTING	SCA	SHORT CIRCUIT AMPS
EX	FURNITURE MOUNTED	SCBA	STANDARD COLOR AS SELECTED BY ARCHITECT
FA	FIRE ALARM	SF	SQUARE FOOT (FEET)
FCP	FIRE ALARM CONTROL PANEL	SFBA	STANDARD FINISH AS SELECTED BY ARCHITECT
FLA	FULL LOAD AMPS	SPDT	SINGLE POLE, DOUBLE THROW
FMC	FLEXIBLE METALCONDUIT	SPEC	SPECIFICATION
FOB	FREIGHT ON BOARD	SPST	SINGLE POLE, SINGLE THROW
FVNR	FULL VOLTAGE NON-REVERSING	S/S	START/STOP
FVR	FULL VOLTAGE REVERSING	ST	SINGLE THROW
G	GROUND	SWBD	SWITCHBOARD
GEN	GENERATOR	SWGR	SWITCHGEAR
GFCI	GROUND FAULT CIRCUIT INTERRUPTER	TL	TWIST LOCK
GFP	GROUND FAULT PROTECTION	TP	TELEPHONE POLE
HD	HEAVY DUTY	TP	TWISTED PAIR
HID	HIGH INTENSITY DISCHARGE	TTB	TELEPHONE TERMINAL BOARD
HOA	HAND-OFF-AUTOMATIC	TV	TELEVISION
HP	HORSE POWER	TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSER
HPF	HIGH POWER FACTOR	TYP	TYPICAL
HPS	HIGH PRESSURE SODIUM	UF	UNDERFLOOR
HV	HIGH VOLTAGE	UGND	UNDERGROUND
HZ	HERTZ	UPS	UNINTERRUPTIBLE POWER SUPPLY
IG	ISOLATED GROUND	V	VOLTS
IMC	INTERMEDIATE METAL CONDUIT	VA	VOLT AMPERE
IN/IS	INSULATED/ISOLATED	VFC/VFD	VARIABLE FREQUENCY MOTOR CONTROLLER
I/O	INPUT/OUTPUT	W/	WITH
IR	INFRARED	W/O	WITHOUT
J-BOX	JUNCTION BOX	WP	WEATHERPROOF
		XFMR	TRANSFORMER

ELECTRICAL SHEET INDEX	
SHEET NO	SHEET TITLE
EE-001	SHEET INDEX, SYMBOL LEGEND, GENERAL NOTES
EE-701	TYPICAL MOUNTING HEIGHT DETAILS
EE-801	SPECIFICATIONS
EP-101	POWER PLAN
EL-101	LIGHTING PLAN

DEFINITIONS	
NOTE: ALL DEFINITIONS MAY NOT BE USED.	
INDICATED: THE TERM "INDICATED" REFERS TO GRAPHIC REPRESENTATIONS, NOTES, OR SCHEDULES ON THE DRAWINGS, OTHER PARAGRAPHS OR SCHEDULES IN THE SPECIFICATIONS, AND SIMILAR REQUIREMENTS IN THE CONTRACT DOCUMENTS. WHERE TERMS SUCH AS "SHOWN", "NOTED", "SCHEDULED", AND "SPECIFIED" ARE USED, IT IS TO HELP THE READER LOCATE THE REFERENCE, NO LIMITATION ON LOCATION IS INTENDED.	
DIRECTED: TERMS SUCH AS "DIRECTED", "REQUESTED", "AUTHORIZED", "SELECTED", "APPROVED", "REQUIRED", AND "PERMITTED" MEAN "DIRECTED BY THE ENGINEER", "REQUESTED BY THE ENGINEER", AND SIMILAR PHRASES.	
APPROVED: THE TERM "APPROVED", WHERE USED IN CONJUNCTION WITH THE ENGINEER'S ACTION ON THE CONTRACTOR'S SUBMITTALS, APPLICATIONS, AND REQUESTS, IS LIMITED TO THE ENGINEER'S DUTIES AND RESPONSIBILITIES AS STATED IN GENERAL AND SUPPLEMENTARY CONDITIONS.	
FURNISH: THE TERM "FURNISH" IS USED TO MEAN "SUPPLY AND DELIVER TO THE PROJECT SITE, READY FOR UNLOADING, UNPACKING, ASSEMBLY, INSTALLATION, AND SIMILAR OPERATIONS."	
INSTALL: THE TERM "INSTALL" IS USED TO DESCRIBE OPERATIONS AT PROJECT SITE INCLUDING THE ACTUAL "UNLOADING, UNPACKING, ASSEMBLY, ERECTION, PLACING, ANCHORING, APPLYING, WORKING TO DIMENSION, FINISHING, CURING, PROTECTING, CLEANING, AND SIMILAR OPERATIONS."	
PROVIDE: THE TERM "PROVIDE" MEANS "TO FURNISH AND INSTALL, COMPLETE AND READY FOR THE INTENDED USE."	
INSTALLER: AN "INSTALLER" IS THE CONTRACTOR OR AN ENTITY ENGAGED BY THE CONTRACTOR, EITHER AS AN EMPLOYEE, SUBCONTRACTOR, OR SUB-SUBCONTRACTOR, FOR PERFORMANCE OF A PARTICULAR CONSTRUCTION ACTIVITY, INCLUDING INSTALLATION, ERECTION, APPLICATION, AND SIMILAR OPERATIONS. INSTALLERS ARE REQUIRED TO BE EXPERIENCED IN THE OPERATIONS THEY ARE ENGAGED TO PERFORM.	
TECHNOLOGY SYSTEMS: THE TERM "TECHNOLOGY SYSTEMS" IS USED TO DESCRIBE ALL LOW VOLTAGE SYSTEMS GENERALLY REFERRED TO AS "SPECIAL SYSTEMS". THESE SYSTEMS INCLUDE BUT ARE NOT NECESSARILY LIMITED TO ALL SYSTEMS WHICH UTILIZE VOLTAGES OF LESS THAN 71 VOLTS SUCH AS SOUND SYSTEMS, VIDEO SYSTEMS, TV SYSTEMS, SECURITY SYSTEMS, VOICE AND DATA CABLING SYSTEMS, ETC...	

GENERAL ELECTRICAL NOTES


- CLARIFICATION METHODS: AT THE TIME OF BIDDING, BIDDERS SHALL FAMILIARIZE THEMSELVES WITH THE DRAWINGS AND SPECIFICATIONS. ANY QUESTIONS, MISUNDERSTANDINGS, CONFLICTS, DELETIONS, DISCONTINUED PRODUCTS, CATALOG NUMBER DISCREPANCIES, DISCREPANCIES BETWEEN THE EQUIPMENT SUPPLIED AND THE INTENT OR FUNCTION OF THE EQUIPMENT, ETC, SHALL BE SUBMITTED TO THE ARCHITECT/ENGINEER IN WRITING FOR CLARIFICATION PRIOR TO ISSUANCE OF THE FINAL ADDENDUM AND BIDDING OF THE PROJECT. WHERE DISCREPANCIES OR MULTIPLE INTERPRETATIONS OCCUR, THE MOST STRINGENT (WHICH IS GENERALLY RECOGNIZED AS THE MOST COSTLY) THAT MEETS THE INTENT OF THE DOCUMENTS SHALL BE ENFORCED.
- OWNER FURNISHED ITEMS: THE OWNER WILL FURNISH MATERIAL AND EQUIPMENT AS INDICATED IN THE CONTRACT DOCUMENTS TO BE INCORPORATED INTO THE WORK. THESE ITEMS ARE ASSIGNED TO THE INSTALLER AND COSTS FOR RECEIVING, HANDLING, STORAGE, IF REQUIRED, AND INSTALLATION ARE INCLUDED IN THE CONTRACT SUM.
 - THE INSTALLER'S RESPONSIBILITIES ARE THE SAME AS IF THE INSTALLER FURNISHED THE MATERIALS OR EQUIPMENT.
 - THE OWNER WILL ARRANGE AND PAY FOR DELIVERY OF OWNER FURNISHED ITEMS FREIGHT ON BOARD JOB SITE AND THE INSTALLER WILL INSPECT DELIVERIES FOR DAMAGE. IF OWNER FURNISHED ITEMS ARE DAMAGED, DEFECTIVE OR MISSING, DOCUMENT DAMAGED ITEMS WITH THE TRANSPORT COMPANY AND THE OWNER WILL ARRANGE FOR REPLACEMENT. THE OWNER WILL ALSO ARRANGE FOR MANUFACTURER'S FIELD SERVICES, AND THE DELIVERY OF MANUFACTURER'S WARRANTIES AND BONDS TO THE INSTALLER.
 - THE INSTALLER IS RESPONSIBLE FOR DESIGNATING THE DELIVERY DATES OF OWNER FURNISHED ITEMS AND FOR RECEIVING, UNLOADING AND HANDLING OWNER FURNISHED ITEMS AT THE SITE. THE INSTALLER IS RESPONSIBLE FOR PROTECTING OWNER FURNISHED ITEMS FROM DAMAGE, INCLUDING DAMAGE FROM EXPOSURE TO THE ELEMENTS, AND TO REPAIR OR REPLACE ITEMS DAMAGED AS A RESULT OF HIS OPERATIONS.
- EXPOSED STRUCTURE AREAS (EXCLUDING MECHANICAL, ELECTRICAL, AND COMMUNICATION SPACES): INSTALL RACEWAYS BETWEEN DECK AND STRUCTURE WHEREVER POSSIBLE IN EXPOSED STRUCTURE CEILING AREAS. ROUTE RACEWAYS IN CONCEALED AREAS WHEREVER POSSIBLE. REFER ALL CONDITIONS WHERE RACEWAYS MUST BE INSTALLED WHICH CANNOT COMPLY WITH THESE REQUIREMENTS TO THE ARCHITECT.
- SUBMITTALS: PROVIDE SUBMITTALS IN THREE RING BINDERS WITH JOB NAME, SUBCONTRACTOR, AND VOLUME ON THE BINDING. PREPARE TABS FOR EACH SPECIFICATION SECTION REQUIRING SUBMITTALS. PREPARE INDEX OF EQUIPMENT SUBMITTED IN EACH TAB.
- REFLECTED CEILING PLANS: COORDINATE THE LOCATION OF LIGHT FIXTURES WITH THE ARCHITECTURAL REFLECTED CEILING PLANS. REFER ALL DISCREPANCIES TO THE ARCHITECT AND ENGINEER.




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
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PROFESSIONAL STAMP:



CONSULTANTS:



REVISIONS: 

NO.	DATE	DESCRIPTION
1	05/12/08	Revision 1

ISSUED:

01	05/12/08	CONSTRUCTION DOCUMENTS

OWNER PROJECT #: 08013100
SPE PROJECT #: 08-05
DRAWN BY: GTE
CHECKED BY: JLH
DESIGNED BY: JLH

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SHEET TITLE:

**SHEET INDEX,
SYMBOL LEGEND,
GENERAL NOTES**

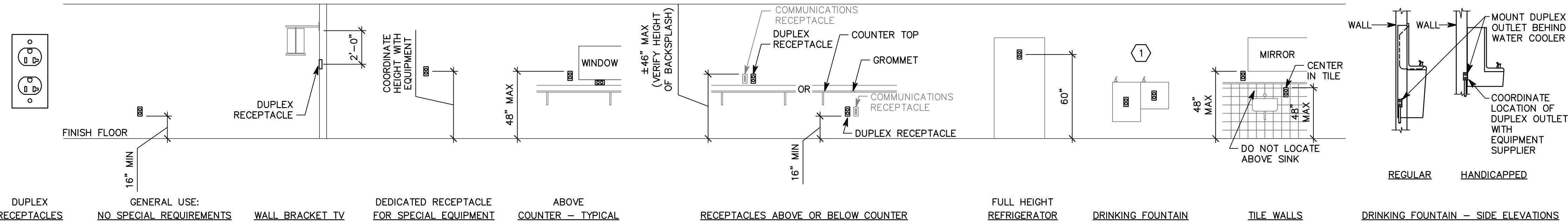
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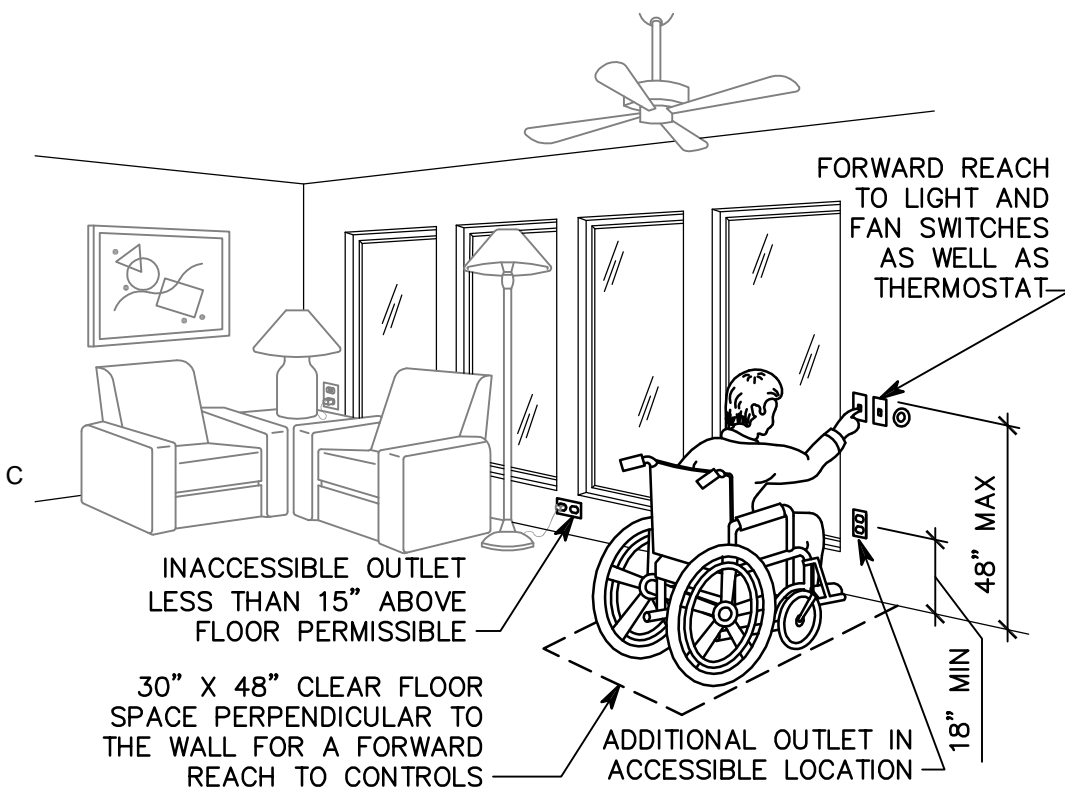
**FRED F. HOUSE ACADEMY
2008 REMODEL**

14117 SOUTH MINUTEMAN DRIVE
DRAPER, UTAH 84020

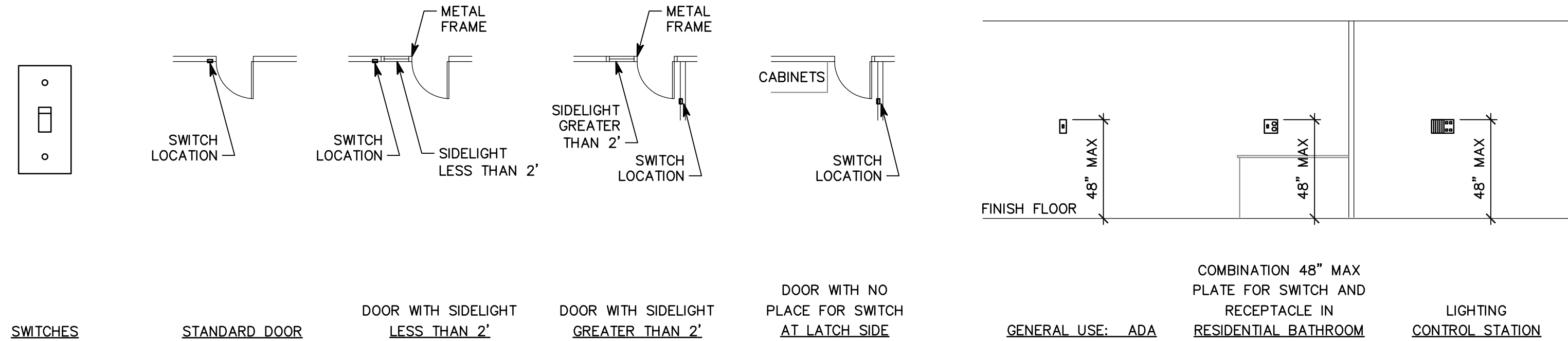
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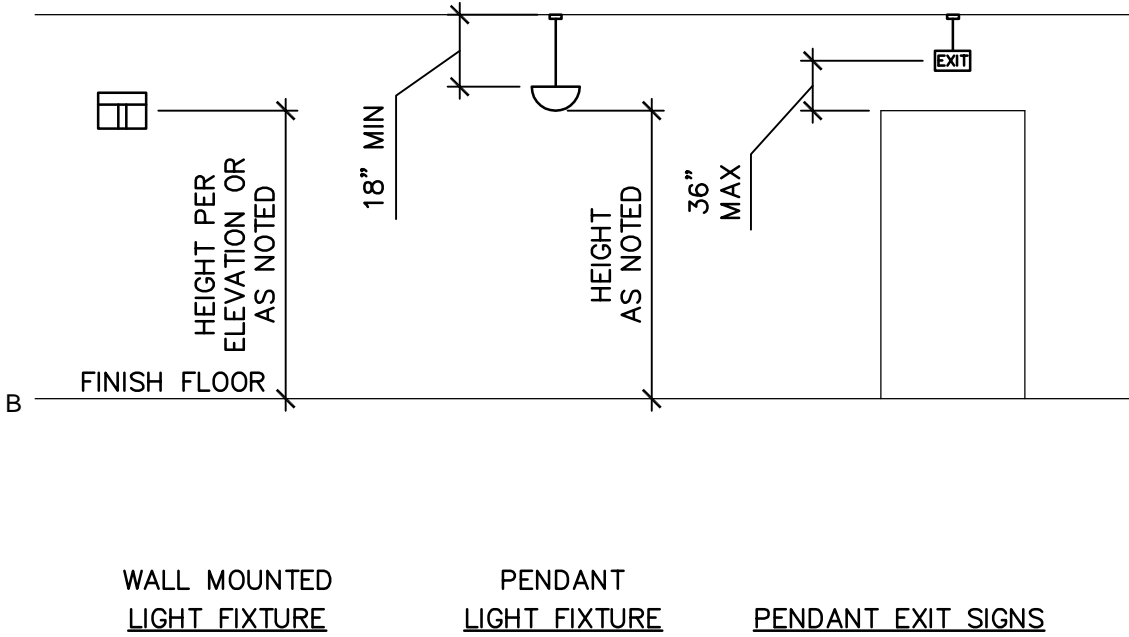
D1 RECEPTACLE MOUNTING DETAILS
NTS



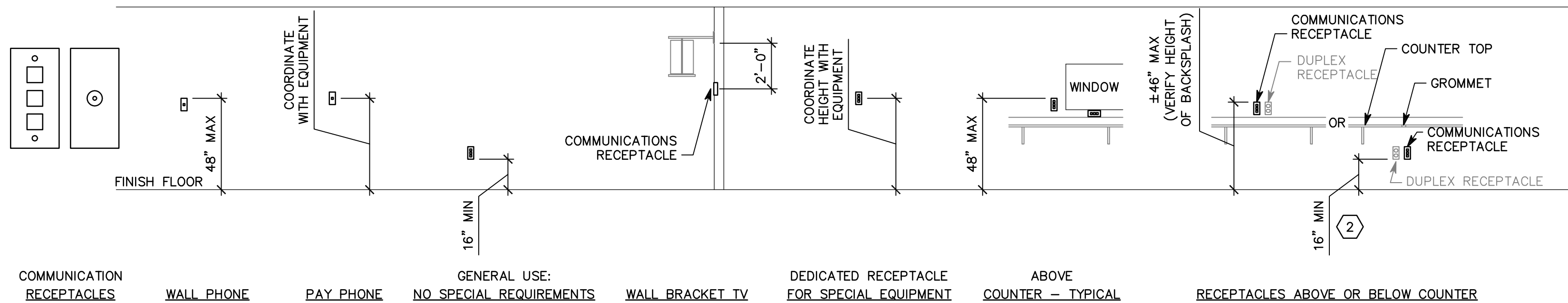
C1 ADA DETAIL
NTS



C2 SWITCH MOUNTING DETAILS
NTS



B1 LIGHTING MOUNTING DETAILS
NTS



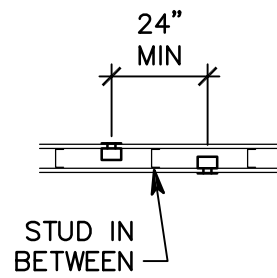
B2 COMMUNICATION MOUNTING DETAILS
NTS

GENERAL SHEET NOTES

1. DETERMINE MOUNTING HEIGHTS OF ELECTRICAL AND ELECTRONIC EQUIPMENT IN THE FOLLOWING ORDER OF PRIORITY:
1 - ELEVATIONS (ARCHITECTURAL, ELECTRICAL, MECHANICAL, ETC).
2 - EQUIPMENT SHOP DRAWINGS.
3 - FIELD INSTRUCTIONS.
2. LOCATE RECEPTACLES SERVING THE SAME TYPE OF USE AT A UNIFORM HEIGHT UNLESS DIRECTED OTHERWISE.
3. MECHANICAL, ELECTRICAL, AND COMMUNICATION ROOMS: COORDINATE LOCATION OF LIGHTING AND POWER RECEPTACLES WITH EQUIPMENT, PIPING, AND DUCTWORK. DO NOT INSTALL RECEPTACLES BEHIND EQUIPMENT OR WHERE OTHERWISE INACCESSIBLE. POSITION LIGHTING REGARDLESS OF WHERE SHOWN ON DRAWING TO PROVIDE PROPER ILLUMINATION.
4. MOUNT RECEPTACLE BOXES FOR SWITCHES AND RECEPTACLES WITH LONG AXIS OF THE DEVICE VERTICAL UNLESS OTHERWISE INDICATED.
5. SET BOXES WITH PLASTER RINGS FLUSH WITH FINISHED SURFACE.
6. LOCATE BOX COVERS OR DEVICE PLATES SO THEY WILL NOT SPAN DIFFERENT TYPES OF BUILDING FINISHES EITHER VERTICALLY OR HORIZONTALLY.
7. VERIFY ALL DOOR CONDITIONS ON ARCHITECTURAL DRAWINGS PRIOR TO INSTALLING SWITCHES.
8. LOCATE WIRING DEVICES WHICH ARE ADJACENT AND ARE COMPATIBLE VOLTAGES IN ONE PLATE.

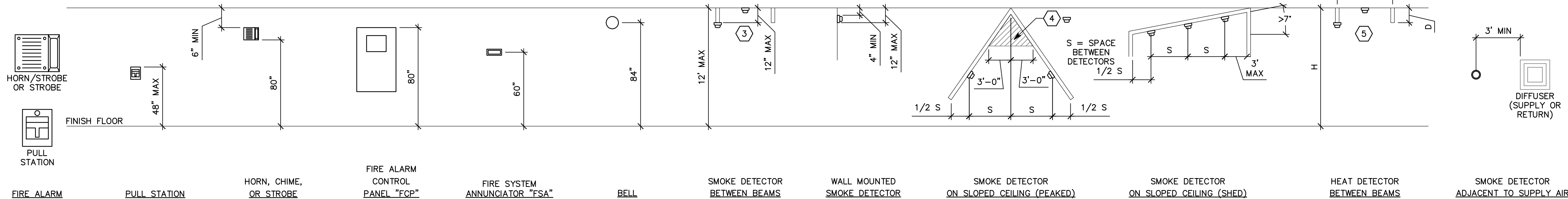
SHEET KEYNOTES

1. LOCATE RECEPTACLES BEHIND DRINKING FOUNTAINS.
2. REFER TO ARCHITECTURAL ELEVATIONS FOR PLACEMENT OF OUTLETS.
3. LOCATE AT BOTTOM OF BEAMS (OR JOISTS) OR AT CEILING. (REDUCE SPACING BY .5 PERPENDICULAR TO BEAM OR JOIST DIRECTION.) FOR OTHER CONDITIONS, REFER TO NFPA 72.
4. LOCATE SMOKE DETECTOR ANYWHERE IN SHADED AREA.
5. LOCATE AT BOTTOM OF BEAMS IF EITHER D/H < .1 OR W/H < .4; OTHERWISE, LOCATE IN BEAM POCKET.



BOXES ON OPPOSITE SIDES OF WALL

B5 BOX MOUNTING DETAILS
NTS



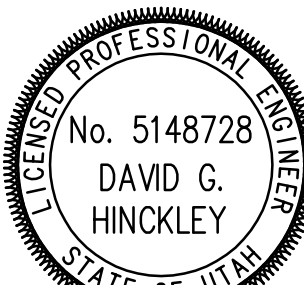
A1 FIRE ALARM MOUNTING DETAILS
NTS



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PROFESSIONAL STAMP:



CONSULTANTS:



PROJECT NAME:

FRED F. HOUSE ACADEMY
2008 REMODEL

14117 SOUTH MINUTEMAN DRIVE
DRAPER, UTAH 84020

REVISIONS:

NO.	DATE	DESCRIPTION
1	Date 1	Revision 1

ISSUED:

NO.	DATE	DESCRIPTION
01	05/12/2008	CONSTRUCTION DOCUMENTS

OWNER PROJECT #: 08013100

SPE PROJECT #: 08-05

DRAWN BY: GTE

CHECKED BY: JLH

DESIGNED BY: JLH

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SHEET TITLE:

TYPICAL
MOUNTING
HEIGHT DETAILS

SHEET NUMBER:

EE-701




SHEET NUMBER:
EP-101

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A circular professional engineer seal for the State of Utah. The outer ring contains the text "LICENSED PROFESSIONAL ENGINEER" at the top and "STATE OF UTAH" at the bottom, separated by small dots. The center of the seal contains the license number "No. 5148728" and the name "DAVID G. HINCKLEY" in a bold, sans-serif font. The seal has a serrated or gear-like outer edge.

CONSULTANTS:

 SPECTRUM
ELECTRICAL
ENGINEER

PROJECT NAME: FRED F. HOUSE ACADEMY
2008 REMODEL

14117 SOUTH MINUTEMAN DRIVE
DRAPER, UTAH 84020

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OWNER PROJECT #: 0801310
SPE PROJECT #: 08-05
DRAWN BY: GTE
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SHEET TITLE:

POWER PLAN

SHEET NUMBER:
EP-101

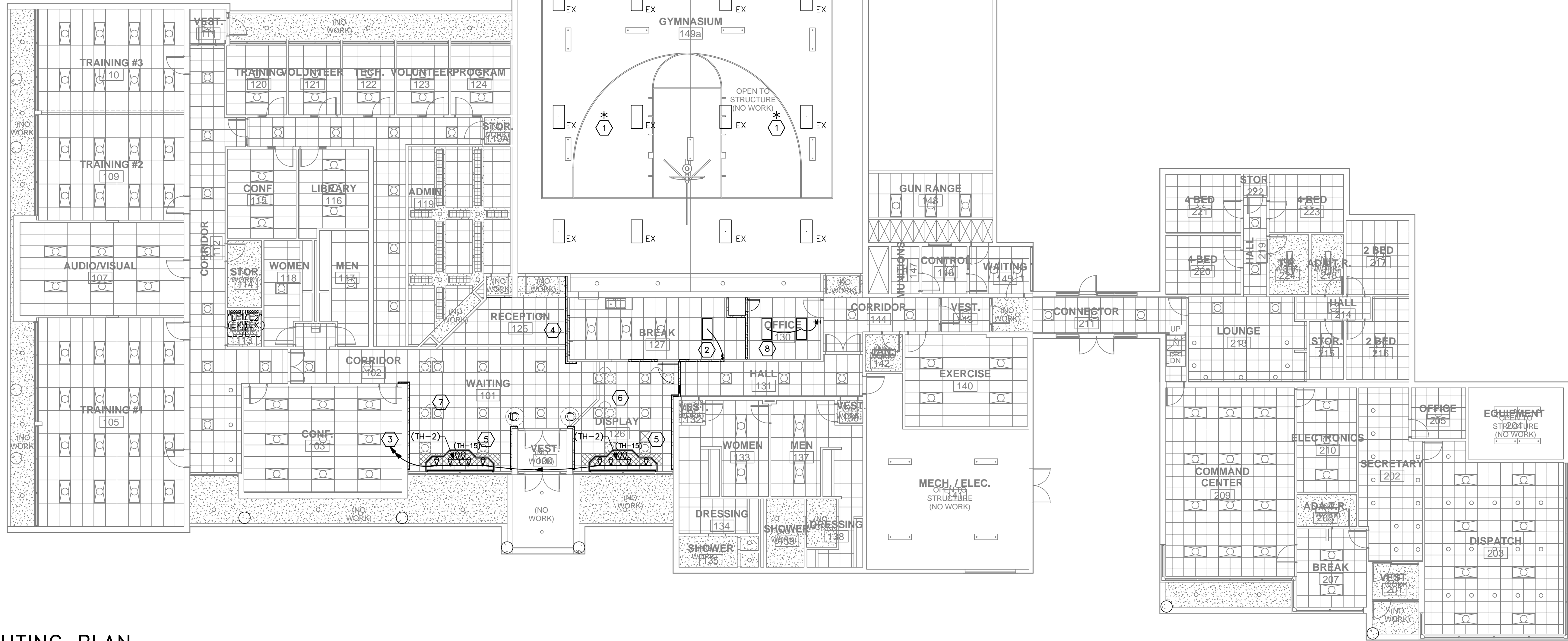
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LIGHTING FIXTURE SCHEDULE

NOTE TO BIDDERS: COMPLY WITH SECTIONS 16511, 16521, AND 16570 OF THE SPECIFICATIONS. REFER TO SPECIFICATIONS FOR IMPORTANT TECHNICAL REQUIREMENTS FOR LIGHTING FIXTURES, BALLASTS, AND LAMPS. THE CATALOG NUMBERS LISTED BELOW HAVE BEEN CAREFULLY PREPARED TO ASSIST BIDDERS IN SELECTING PRODUCTS TO ACHIEVE THE DESIGN CONCEPT, HOWEVER, PRIOR TO BIDDING, EACH MANUFACTURER SHALL COMPARE THE CATALOG NUMBERS SHOWN WITH THE DESCRIPTION AND REQUIREMENTS ON THE DRAWINGS, AND SHALL NOTIFY THE ARCHITECT/ENGINEER OF ANY DISCREPANCIES. SPECIFICALLY INCLUDED IN THIS EVALUATION SHALL BE THE VERIFYING OF PROPER MOUNTING KITS OR ACCESSORIES TO FACILITATE INSTALLATION AS SHOWN AT EACH LOCATION ON THE DRAWINGS. NO ALLOWANCE OR REDRESS WILL BE ALLOWED FOR DISCREPANCIES THAT WERE NOT REPORTED TO THE ARCHITECT/ENGINEER IN TIME FOR CORRECTION OR CLARIFICATION BEFORE THE BID. THE REPORTING OF ANY AMBIGUITY IS THE RESPONSIBILITY OF THE BIDDER. PROVIDE UNIT PRICES AND FIXTURE BRAND SELECTED FOR ADD/DELETE CHANGES FOR EACH FIXTURE TYPES SHOWN WITHIN 48 BUSINESS HOURS OF THE BID DATE. FAILURE TO COMPLY WITH THIS REQUIREMENT MAY DISQUALIFY THE PRODUCTS AND EMPOWER THE ENGINEER TO DETERMINE FAIR VALUE FOR FIXTURE AND INSTALLATION CHANGES, WITHOUT FURTHER INPUT FROM THE CONTRACTOR OR INSTALLER. SUBMITTAL PACKAGE SHALL INCLUDE LAMP MANUFACTURER AND CATALOG NUMBER ON EACH FIXTURE SHEET. ON ALL PENDANT MOUNTED FIXTURES, PROVIDE A SECOND SET OF PENDANTS, OF A DIFFERENT LENGTH, AS DIRECTED BY THE ARCHITECT/ENGINEER, PROVIDED AND INSTALLED AT NO ADDITIONAL CHARGE. ALL FIXTURES SHALL BE APPROVED BY UL OR ANOTHER ACCEPTABLE TESTING LAB FOR THE PURPOSE INTENDED AND WITH THE LAMP AND BALLAST PROPOSED. CONTRACTOR ALLOWANCE PRICES ARE ACCURATE WHEN THIS JOB WAS SPECIFIED, CONTRACTOR AND ELECTRICAL DISTRIBUTOR SHALL VERIFY THIS ALLOWANCE AND REPORT ANY PROBLEMS TO THE ENGINEER BEFORE THE BID. ALLOWANCE PRICE MAY OR MAY NOT INCLUDE LAMP(S) OR FREIGHT AS NOTED, AND DO NOT INCLUDE ANY TAXES. UNIVERSAL VOLTAGE (120/277) BALLASTS REQUIRED UNLESS NOTED OTHERWISE. DIMENSION SEQUENCE = (LENGTH X WIDTH X DEPTH) IN INCHES.

FIXTURE CHARACTERISTICS						NOTES
SYMBOL	MARK	BODY / AIR / MOUNTING / DOOR	LENS/LOUVER/REFLECTOR/OTHER	LAMP	WATTS	
TH		TRACK AND TRACK LIGHTS: LENGTH OF TRACK AND NUMBER OF FIXTURES AND ACCESSORIES AS SHOWN ON DRAWINGS. TRACK FEEDENDS, DEADENDS, TURNS, HANGING DEVICES, ETC., ARE AS REQUIRED TO INSTALL TRACKS AS SHOWN ON DRAWINGS AND/OR SPECIFIED, IN COMPLIANCE WITH NEC 410-104. INSTALLERS ARE CAUTIONED TO ENSURE TRACK HEADS AND TRACK ARE COMPATIBLE (I.E., ADAPTER FOR TWO CIRCUIT TRACK WHERE REQUIRED).				
TH-1		SINGLE CIRCUIT TRACK, SURFACE MOUNT, WHITE.		180VA / 2"		HALO PRESCOLITE LIGHTOLIER CAPRI HUBBELL STAFF LITHONIA
TH-13		TRACKLIGHT: METAL HALIDE 40 DEGREE FLOOD LAMP W/ UV FILTER		70MH 100W 120V		HALO PRESCOLITE STAFF CAPRI LIGHTOLIER HUBBELL LITHONIA



SHEET KEYNOTES

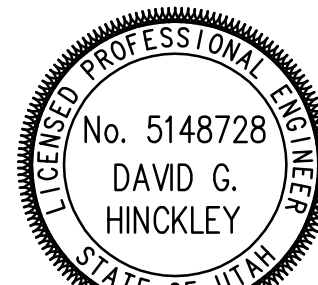
1. PROVIDE HIGH-BAY OCCUPANCY SENSOR BY WATTSTOPPER (HB350B), SENSOR SWITCH, HUBBELL, LEVITON OR NOVITAS. CONTACT MANUFACTURER FOR BEST PLACEMENT OF SENSORS SUCH THAT AN OCCUPANT ENTERING FROM ANY OF THE 3 DOORS INTO THE GYMNASIUM WILL ACTIVATE SENSOR(S) AND TURN ON CENTER ROW OF LIGHTS ON THIS HALF OF GYMNASIUM. PROVIDE CONTROL WIRING BETWEEN SENSORS PER MANUFACTURER'S WRITTEN INSTRUCTIONS. PROVIDE LINE VOLTAGE WIRING TO SWITCHES AND BETWEEN LIGHT FIXTURES (CENTER ROW OF LIGHT FIXTURES TO NORTH SHALL BE CONNECTED TOGETHER AND CONTROLLED FROM ONE SWITCH. OTHER FIXTURES MAY BE CONTROLLED BY OTHER SWITCH AND WILL NOT BE ACTIVATED BY OCCUPANCY SENSOR). SENSORS SHALL PROVIDE POWER TO SWITCH (CENTER ROW OF LIGHTS TURN ON WHEN OCCUPANCY SENSOR HAS BEEN ACTIVATED AND SWITCH IS TURNED ON).
2. FIXTURE TYPE AND BALLAST TO MATCH ADJACENT FIXTURES. TIE-IN TO EXISTING CIRCUIT AND CONTROL WITH ADJACENT LIGHTING. FIXTURE IS A 3-LAMP LENSED TROFFER (FOR BIDDING PURPOSES USE LITHONIA 2SP8-332-A12125).
3. PROVIDE NEW 20/1 CIRCUIT BREAKER IN PANEL "L1". CIRCUIT LIGHTING TO THIS NEW 20/1 BREAKER THROUGH NEW TIME CLOCK. TIME CLOCK SHALL BE TORK E101B OR EQUIVALENT.
4. SHIFT EXISTING LIGHT FIXTURE TO CLEAR NEW WOOD WALL AND RE-CONNECT.
5. REMOVE EXISTING LIGHT FIXTURES (2 TOTAL) IN WAY OF NEW DISPLAY CASE. SEE ARCHITECTURAL PLANS.
6. RE-LOCATE (3) EXISTING 2X2 FIXTURES. SEE ARCHITECTURAL RCP FOR NEW LOCATION. EXTEND WIRING AS REQUIRED AND RE-CONNECT.
7. RE-LOCATE (2) EXISTING 2X2 FIXTURES. SEE ARCHITECTURAL RCP FOR NEW LOCATION. EXTEND WIRING AS REQUIRED AND RE-CONNECT.
8. IN OFFICE, REMOVE EXISTING STRIP LIGHTS AND PROVIDE (2) LENSED TROFFERS (FIXTURE SHALL BE A 3-LAMP LENSED TROFFER, LITHONIA 2SP8-332-A12125 OR ENGINEER APPROVED EQUIVALENT). FIXTURES TO BE CONTROLLED FROM OCCUPANCY WALL SENSOR ADJACENT TO DOOR AS SHOWN.



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CONSULTANTS:



PROJECT NAME:

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REVISIONS:

NO.	DATE	DESCRIPTION
1	Date 1	Revision 1

ISSUED:

01	05/12/08	CONSTRUCTION DOCUMENTS
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OWNER PROJECT #: 08013100

SPE PROJECT #: 08-05

DRAWN BY: GTE

CHECKED BY: JLH

DESIGNED BY: JLH

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SHEET TITLE:

LIGHTING
PLAN

SHEET NUMBER:

EL-101

A1 LIGHTING PLAN
SCALE: 1"=10'